

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Bradley S. Mitchell" <bmitchel@kodak.com>  
Subject: [11328] 1W 38S? 2n3866  
Message-ID: <32FC603F.3E1A@kodak.com>

Ok, folks, I saw Paul Harden write about the  
2n3866 briefly before, but was wondering if anybody has tried

getting a little less power and using something like this.

I really don't need 3-5watts, and find 1.5 w or so quite good  
on the batteries.

Also, I was thinking that maybe you don't need the full 300mW  
to drive the 2n3866 to get 1 or 1.5 W, so maybe chopping a  
gate or two out of the 74HC240 might do to reduce that power drive.

Any other ideas?

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>  
Subject: [11268] 3579 activity from WS8T  
Message-ID: <199702070402.XAA03342@mail.bright.net>

WS8T was probably the only multi-op effort in the contest tonight.  
Our regular club meeting was this evening, se N8ET and WS8T operated  
from the Club QTH of W8FT using the clubs TR-7 cranked back to 5  
watts feeding an 80 meter dipole at 80'.

Neither one of us brought a copy of the rules, and neither one of us  
could remember our NE number, so we sent 5w and had a good time. We  
worked 9 staions in 8 states, and missed VE3 for country number two.  
At the end of the test W8KC informed us that we could only work xtal  
controlled stations, so I guess we have a few invalid qsos, but we  
sure had fun.

Had a good chuckle about the station on from the deep south emulating  
a signal from CO-land - we had no trouble knowing what the call was  
each time we tuned across the signal. - it saved a lot of time!

Hope everyone had as much fun as we did. Next week we will be back  
with the xtal rigs we both KNOW we have in our collection of rigs  
somewhere!

73 - Bill - N8ET es Pat - WS8T  
73 - Bill - N8ET  
Kanga US  
kanga@mail.bright.net  
<http://qrp.cc.nd.edu/kanga/>  
419-423-4604

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: wylde@nccn.net (Grover, K7TP)  
Subject: [11277] 38 Special lives (lessons learned)  
Message-ID: <v02130500af206ab1dcb1@[205.139.74.202]>

It's been a tough road or at least a long one. The basic kit went together well but it soon became apparent that it suffered from many of the flaws that had been mentioned. So I read and reread the threads on this list to make sense of some of the diverse opinions about what worked and what didn't. From this came coherence and here are the lessons learned and solutions applied:

- 1) The chirp - I elected finally to just drop the RIT mod. That killed the chirping. Instead of an RIT I used a multi-turn 100k pot that was lying around and this will give me the resolution I need. If I regret this move later I can always put in the modified RIT circuit with the saturated transistor switches as suggested.
- 2) Poor sensitivity - I should have noticed this the first time around because I've been bitten by this before: there was only one peak on TC1, a give away that the circuit was not resonant. I took two turns off the secondary of T-1 and voila, the same hot receiver people have been raving about.
- 3) TiCK Telemetry Tone Mod - There was some diverse opinion about this circuit. I put a 4.7K resistor from the right side of C32 (as seen in the schematic) to the right side of R19; I cut the board connection between C32 and R19 first. This allows both the receiver and the TiCK sidetone to sum at pin 6 of U5.
- 4) Diode biasing [note that you need to do the TiCK mod because you need U4C and U4D] - removing the 8v from the top of R1 and R2 and feeding that point instead with the inverting output from pin 5 of U4, shuts down forward bias to the diodes during transmit. Be certain that you jumper D8 which you removed during the TiCK mod. This jumper passes the R- output to U4D.
- 5) Direct coupling for the IRF510 - everyone should do this mod. It reduces idle current drain and helps to stabilize the final. While you're at it,

stick a 560pF silver mica cap in C505. There was some suggestion that the ferrite bead should not be there so out it went.

6) Variable power output - replacing R12 with a 2K pot allows me to vary the power output from zilch to five watts.

To all those whose experiments led me to trying these mods, I thank you immensely. I'm a happy camper. The transmitter sounds good at 4 watts and the receiver hears everything my Index Labs QRP++ hears. Now on to mounting this radio in an enclosure (just as soon as I learn the size of the new digital display kit).

What a group!

.073

Grover  
K7TP

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Mike Schettler" <Mike\_Schettler@qmail4.nba.TRW.COM>  
Subject: [11322] 38S PA Current  
Message-ID: <n1356807194.8055@qmail4.sp.trw.com>

OFFICE MEMO                      Subject:  
                                    38S PA Current

Time: 10:52 AM  
Date: 2/7/97

Gang,

How much 12V current is your 38S drawing with the 5W PA mod installed?

My 38S is eating 1.2 Amps off a solid 12V 3A power supply. I seem to recall a posting saying that anything over 800 mA was excessive. I installed the suggested output filter mods, and have measured 4.5 Watts of output power, with harmonics more than 35 dB down. Thanks

Mike WA6MER

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: k5id@inetp.net (Kenton E Graham)  
Subject: [11297] 38S TUNING

Message-ID: <199702071447.IAA11180@inetsp.inetsp.com>

The 38s went together well here at K5ID. However, the tuning range is off somewhat, at 10.150 - 10.160. Changing the inductor by winding added turns on it (or even shorting it out) has very little effect on the above tuning range. I tried paralleling another 1N4004, also with very little effect to the tuning range. Perhaps it is time to try a different diode? Ideas??

Reflecting the voices of others on this list, this is a beauty of a little board; All the parts were there, and documentation is great! Thanks to all who made this possible; the volunteer system works wonders when there are a few dedicated souls!!

REGARDING FSFD: I would here like to thank Jim, K3QIO, and all the others who have given their time to make this thing happen. Even though I started a few days late, I have so far worked 25 states since the my first - Jan 8th, enjoying each one and looking in anticipation for the next!

-72/73- Ken K5ID Barefoot in Arkansas (only 5 watts!)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: na5k@juno.com (Smitty Smith)  
Subject: [11238] 7.030 CW  
Message-ID: <19970206.181219.11158.0.na5k@juno.com>

I will be on 7.030 tomorrow morning (Friday) about 8AM CST.

Please come join me in a nice CW QSO.

CUL,

Smitty, NA5K (near Dallas)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11313] All Sold except FT-840/2400 and R-8 Drake RX  
Message-ID: <199702071650.LAA11777@alaska.magpage.com>

Wow, what a surprise. All the old and small stuff from that big list went

fast and the newer items are still available. Thanks to all.

Items Remaining:

Drake R-8 with orig box, manual, mint condx \$595

Yaesu FT-840 w/orig. box, manual, mic, DC cord, mint \$595

Yaesu FT-2400H 2M radio 5-50 Watts w/orig box,  
manual, backlighted DTMF mic, mint, never mobile \$250

72, Jim K3QIO Wilmington, DE

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>

Subject: [11336] ARRL, QRP-L, FOOLS; THEM IS US ...

Message-ID: <19970207215049.AAA14834@LOCALNAME>

Most reasonable folks I know tend to shy away from statements of absolutes. The term "complete fools" is a statement of an absolute, and it kind of gets my dander up because it's directed at me. Now, I won't get into a debate with Ron about just how big a fraction of me falls into the FOOL category... but in my nearly sixty years I've had some small comfort in the belief that I'm neither in first nor last place in the Global Foolishness Contest. ("GFC") It seems that lots of us, members of organizations or not, are enrolled contestants of good standing in the GFC.

Unfortunately, no matter how well-intentioned, those who join organizations become the more identifiable targets of folks with a issues they haven't been able to settle for some reason. In fact, sometimes there are so many folks with the same issue or gripe that they start their own organization just to gain the power and influence required for (hopefully) peaceful resolution. In fact, didn't the USA began as something like that? -and ARRL, QRP-L, -even the UN?

Funny thing, tho... organizations occupy their places in the GFC too, and their positions are greatly dependant on the qualities of their members. So, in cases where the good, skilled and thoughtful folks don't show up... guess who winds up with it? Guess who's fault that is?

On the other hand, some folks just drop out -or never join in the first place. They tend to be poorly informed and their energies poorly invested. Their role in life seems to be to snipe, scrawl grafitti, write nastygrams, blow up buildings full of people... make it really hard for the rest of us to keep our priorities in balance. They take their momentary high place in the GFC, too, and even seem proud of it.

It seems that throughout time the best way to beat oppression, incompetence, plague-du-jur... is to be well-informed and active in our areas of concern. Otherwise, we must keep quiet until informed sufficiently to act in a helpful way -and stay out of the way of those who are doing the job for us.

=S=

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ  
ARCI#9253; QRP-L #574  
NEQRP#511; ARRL; QCWA

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: AE0Q / V31RY <v31ry@ix.netcom.com>  
Subject: [11275] AT-11 Construction Manual  
Message-ID: <2.2.16.19970207052354.37f76de2@popd.ix.netcom.com>

I recently helped a friend get his AT-11 going, and I noticed 3 things that were not quite right in the construction notes. His was purchased about 2 months ago, so it's possible that these things have been changed, but be on the lookout for them.

1) The schematic matches the QST article schematic (Jan '96), but neither of those match the silk-screening on the circuit board. R53 and R54 are labeled backwards. They are the pots for adjusting the FWD and REV voltages for the SWR measurements. I don't know which is right or wrong, but if you follow the printed tune-up instructions and look at the board labeling, it won't work. Go by the REV and FWD labels on the PCB, not the resistor numbers.

2) The instructions leave off a whole paragraph about adjusting the REV pickup voltage. I caught it because I had recently read the QST article. It's the part where you swap cables from the XMTR and dummy-load and set the REV voltage after you have previously set the FWD voltage.

3) It is pretty vague about wiring the front panel components. They all need to have a common ground, and that goes to one of the wires on the ribbon-cable, but I don't think it's actually mentioned in the instructions. I found references to it here and there on the schematic and wiring diagram, but it's not spelled out.

There are no page numbers, so I can't reference the above items that way.

Looking forward to building mine from the group-buy soon!

73 -- Glenn

-----  
Duct Tape is like the Force: It has a light side, and a  
dark side, and it holds the Universe together.

AE0Q / V31RY            ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com    -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [11292] Auto tuner kit  
Message-ID: <01IF4LHFLC608WZ4JH@tntech.edu>

morning!

got my tuner kit .. got home after a 15 hour day.. what a welcome  
surprise.. too tired to check it out.. opened it up.. had a cash  
rebate sitting on top .. Thanks a million Scott.

OK

I can't find my Jan 1996 QST.. probably put it away safely while  
waiting on the tuner.. it is real safe. Also can't locate the  
group messages on building suggestions and warnings.

Anyone have the past messages on what I need to know before I  
build this.. think I will build it before my N38S. Also noticed  
early this am. there are some mods in the back of the skinny  
manual.. anyone get to the point where they know whether the caps  
and diode are included with the kit parts.

thanks

72  
Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: ukii@megsinet.net (ukii)  
Subject: [11261] Construction Tips Please...  
Message-ID: <01BC1470.298C8960@randolph2e3-30.megsinet.net>

Hello Gang.

Well, I am getting raedy to actually put a kit into an enclosure for the first time. I got a Power Supplu box from RS and that is what I will use for the 38s. Now,since this is a first for me,any tips on getting everything "just right" so I dont wind up with a Swiss Cheese Box? I remember drilling holes for the 49er and when all was said and done, 2 holes had screws in them,the others didnt line up...(yes,I used the board as a template?)

I would like to know what everyone is using for the KEY jack. I have RCA type on the keyer,and small phono type on 1 rig,1/4 inco phono on the other rig. No interchangeable anything here,but I would like to start having all this kit stuff be interchangeable. So,for key jacks?

I was going to use a mini phono plug,but I can see I would be sticking the headphones into it...

How about power connections?

Oh,stencils,labels.decals...what are you guys doing here? I have seen some pictures on the web of various NICE looking rigs,but I cant see how they were labeled. I never boxed anything,but I know myself and if I dont get some pointers here,I will wind up with a rats nest in a Swiss Cheese Box. I chose that power supply box because I can take the top off without having to unscrew all the jacks etc to fix/tune the radio...

So,please,pass on ALL your secrets before you croak,keep kit building a LEARNED TECHNIQUE,not an art!

Thank you for your indulgence...

73 de john

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: "Thomas J. Whalen" <whalen@swcp.com>

Subject: [11319] CQ 30m!!

Message-ID: <Pine.SUN.3.91.970207114216.21296C-100000@kitsune.swcp.com>

Am listening on 10.115 while I work on my 49er. I have a bad line noise but will try to pull you out! 72, Tom

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Jerry Parker <jparker@fix.net>

Subject: [11310] Dan's Small Parts email

Message-ID: <2.2.32.19970207164122.00bf3178@fix.net>

Dan's Small Parts and kits does not have an email address.



His complete catalog as well as his Winter-Spring Specials  
is on the internet at:

<http://www.fix.net/dans.html>

Enjoy,,,Jerry...K  
Jerry ... WA6OWR ... K

The NorCal Page

<http://www.fix.net/norcal.html>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: k2sse@juno.com (AL SIRISKI)  
Subject: [11246] fla qrp outing  
Message-ID: <19970206.195610.7471.3.k2sse@juno.com>

hi

i'll be at the orlando hamfest operating 2 qrp rigs in the flea market  
on feb15 and 16  
sat and sunday from 0800 to 1500 local time. equip will be a 4 watt rig  
and an old homebrew 200mw rig around 7043khz. ants will be a one element  
40 mtr rotatable dipole, webster bandspanner, outbacker, hustler and  
homebrew baseloaded whip.  
hope to work anyone interested.

thank you

al k2sse (star ship enterprise) orlando,fla

qcwa life member  
40 yrs licensed

w/o cw its just cb!!!

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Dana Michael <damichael@amp.com>  
Subject: [11289] FOR SALE OR TRADE: HW-9+WARC AND HW-99  
Message-ID: <199702071250.HAA71828@nss2.CC.Lehigh.EDU>

Still for sale or trade:

HEATHKIT HW-9 + WARC Pack, a few scratches on case \$275.

HEATHKIT HW-99, a few scratches on the case \$275.

For sale or trade toward an ALINCO DX-70T , unbuilt SIERRA, OR OHR 400.

Interested?

E-mail or call 6:30 AM to 3:30PM 1-717-810-2891 or 4:00 PM to 10 PM EST  
1-717-896-3973.

Thanks D. A. MIKE MICHAEL W3TS

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11267] For Sale: Rig and Keyer  
Message-ID: <199702070351.UAA08447@usr08.primenet.com>

Howdy Folks,

I finally have a Sierra! Now I wanna KC-2 to go with it! :-)  
I only have two things in my shack I can possibly sell, kind  
of a bummer. But progress marches on I suppose.

Looking for a good home for the following:

- \* NorCal-40a, assembled and working great, \$75 + shipping.  
This was from the second run from NorCal, as I recall.  
Construction is clean, as is the sig/operation. Board  
says "NorCal-40a Rev A". Wired for 7026-7060 KHz.  
Original manual included. Can setup a sked if you wish  
you hear the sig first. Just remind me to turn up the  
AGC this time. :-)
- \* KC-1 Keyer, unassembled, as shipped from Wilderness Radio.  
\$35 + shipping. This came with my Sierra kit as a promo  
item. Untouched by human hands. :-) Would be a good match  
with the NorCal-40a above.

Would prefer to sell the two as a set, if possible.

Thanks!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: "Vernon A. Hatley" <vhatley@flash.net>

Subject: [11316] For Sale: TS-140s QRP

Message-ID: <199702071759.LAA03975@endeavor>

For sale Kenwood TS-140s. This rig is in excellent condition. Will turn down below 1 watt from the front panel with no modifications. 100 watts out max, but no body here would ever turn it up that high; would they? Rig, manual, mic, original box. \$575 u-ship Might consider trade plus cash on an unmodified, mint condition OHR-400 or ???

--

KK5RO

Vernon A. Hatley

Shawnee, OK

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Larry East <w1hue@amsat.org>

Subject: [11329] Fox next week

Message-ID: <2.2.16.19970207202408.2db73e40@eloi>

Howdy y'all... My turn as "Fox" comes up again next week, and I'm in a quandary as to what frequency to use. The favorite "fox hole" at 7.037 seems to be inhabited in this part of the universe by an AMTOR (PACTOR, whatever) station every evening. There is also a pretty regular digital signal just above 7.038. Between 7.040 and 7.045, I usually hear a lot of SSB activity (not too strong; not sure if it's originating from "down south" or where). The region between 7.0360 and 7.0365 seems pretty clear here most evenings, but I have seen comments from others on the list about digital signals there also. For my first stint as Fox I used 7.043 with pretty good results, but there was some weak SSB activity at times. So -- what shall it be? Sandwiched between the "Burrrip-Burrrip" stations or up amongst the "monkey chatter"?

I have also noted that 40M tends to "fold" up here in the north-land around 0300, although I can usually still hear some east coast stations (and also some w6's). My scheduled time slot is 0200 - 0400. Would a 0130 - 0330 slot (like I used last time) work better? Worse? (Its difficult for me to do it any earlier).

72, Larry W1HUE/7 (QTH: Idaho Falls, ID)

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [11283] Freq's and qrm  
Message-ID: <Pine.SUN.3.90.970207001506.13190F-1000000@vortex.sage.dri.edu>

Hi All,

I fail to see why we get so worked up about who is where with what mode. If we all just listen and ask before starting up, seems to me that we could all get along just fine.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11311] FSFD (50 States) Update for Feb. 07  
Message-ID: <199702071551.KAA07447@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

Please read NOTE 1 at bottom of page.

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 18. Below is a the schedule of the remaining States. We will attempt to provide digested schedules of states/times/bands/freqs to help reduce message traffic to the reflector. Typically, only 1 message per day.

ALL TIMES UTC

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Feb. 07 Friday PENNSYLVANIA KT3A, Cam 1330-1500 UTC 7.037+  
1700-1800 UTC 10.116  
1800-1930 UTC 14.060  
0000-0100 SAT-UTC 10.116  
0100-0300 SAT-UTC 7.037  
0300-0330 SAT-UTC 3.560

Cam will call on Novice freq. 7.112 at top of hours. If no response after several calls, then back to above schedule.

|              |              |               |           |                 |              |
|--------------|--------------|---------------|-----------|-----------------|--------------|
| Feb. 08 Sat. | RHODE ISLAND | KA9HA0, Randy | 1700-1900 | UTC             | 14.060       |
|              |              |               | 2300-0100 | UTC             | 7.040        |
|              |              | 0300-0400     | SUN-UTC   | 7.040, or 3.560 | if band dead |

Other Activity: CQrp Challenge SAT 1700 UTC -> 1700 UTC Sunday

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|                |                |           |           |         |        |
|----------------|----------------|-----------|-----------|---------|--------|
| Feb. 09 Sunday | SOUTH CAROLINA | K4NK, Les | 1100-1200 | UTC     | 3.560  |
|                |                |           | 1300-1500 | UTC     | 7.040  |
|                |                |           | 1700-1800 | UTC     | 10.116 |
|                |                |           | 1800-2000 | UTC     | 14.060 |
|                |                |           | 2100-2200 | UTC     | 10.116 |
|                |                |           | 2200-2300 | UTC     | 14.060 |
|                |                |           | 2300-2400 | UTC     | 7.040  |
|                |                |           | 0000-0100 | MON-UTC | 7.040  |
|                |                |           | 0100-0300 | MON-UTC | 7.040  |

|         |        |                   |            |           |          |        |
|---------|--------|-------------------|------------|-----------|----------|--------|
|         |        | W2UX              | W2UX, Gary | 1200-1300 | UTC      | 3.560  |
|         |        |                   |            | 1300-1500 | "        | 7.043  |
| Will do | 14.060 | if 15M is dead--> |            | 1700-1800 | 21.040<> | 14.060 |
|         |        |                   |            | 1800-1900 | UTC      | 10.115 |
|         |        |                   |            | 2100-2200 | "        | 14.060 |
|         |        |                   |            | 2200-2300 | "        | 7.043  |
|         |        |                   |            | 0000-0100 | MON-UTC  | 10.115 |
|         |        |                   |            | 0100-0200 | MON-UTC  | 7.043  |
|         |        |                   |            | 0200-0300 | MON-UTC  | 3.560  |
|         |        |                   |            | 0300-0400 | MON-UTC  | 7.043  |

|  |  |      |           |           |     |       |
|--|--|------|-----------|-----------|-----|-------|
|  |  | N4UK | N4UK, Ken | 1200-1400 | UTC | 7.040 |
|  |  |      |           | 2200-2400 | UTC | 7.040 |

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|                |              |             |      |         |        |
|----------------|--------------|-------------|------|---------|--------|
| Feb. 10 Monday | SOUTH DAKOTA | NR5A, Jerry | 2100 | UTC     | 10.118 |
|                |              |             | 2200 | UTC     | 14.062 |
|                |              |             | 0200 | TUE-UTC | 7.042  |

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Feb. 11 Tuesday Special North Coast and South Coast stations TBA  
(This will be fun)

|                      |              |           |         |       |
|----------------------|--------------|-----------|---------|-------|
| and Early Texas shot | W5HNS, Henry | 0200-0400 | WED-UTC | 7.035 |
|                      |              | 0400-0500 | WED-UTC | 3.557 |

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|                   |       |            |           |         |        |
|-------------------|-------|------------|-----------|---------|--------|
| Feb. 12 Wednesday | TEXAS | NR3E, Dave | 2205-2305 | UTC     | 10.118 |
|                   |       |            | 2305-0105 | UTC     | 14.045 |
|                   |       |            | 0105-0305 | THR-UTC | 7.045  |
|                   |       | Novice     | 0305-0405 | THR-UTC | 7.120  |
|                   |       |            | 0405-0505 | THR-UTC | 3.540  |
|                   |       | Novice     | 0505-0605 | THR-UTC | 3.705  |
|                   |       |            | 0605-0800 | THR-UTC | 7.045  |

|             |           |         |         |
|-------------|-----------|---------|---------|
| W5TFB, Jack | 2000-2100 | UTC     | 14.055+ |
|             | 2200-2300 | UTC     | 10.120- |
|             | 0000-0100 | THR-UTC | 7.037+  |
|             | 0100-0230 | THR-UTC | 3.565-  |

|           |           |         |       |
|-----------|-----------|---------|-------|
| K5W0, Bob | 0000-0100 | THR-UTC | 1.805 |
|           | 0100-0200 | THR-UTC | 3.555 |
|           | 0200-0300 | THR-UTC | 1.805 |
|           | 0300-0400 | THR-UTC | 3.555 |

|              |           |         |        |
|--------------|-----------|---------|--------|
| W5HNS, Henry | 1400-1500 | UTC     | 7.035  |
|              | 1500-1600 | UTC     | 10.116 |
|              | 1600-1700 | UTC     | 14.060 |
|              | 1900-2000 | UTC     | 21.060 |
|              | 2000-2100 | UTC     | 14.060 |
|              | 2200-2300 | UTC     | 7.035  |
|              | 2300-2400 | UTC     | 10.116 |
|              | 0000-0100 | THR-UTC | 3.557  |
|              | 0100-0400 | THR-UTC | 7.035  |

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|                  |      |      |                                    |            |         |        |
|------------------|------|------|------------------------------------|------------|---------|--------|
| Feb. 13 Thursday | UTAH | UTAH | AB7ST, Bob                         | 1600-1700  | UTC     | 10.118 |
|                  |      |      |                                    | 1800-1815+ | UTC     | 21.060 |
|                  |      |      | + indicated will go longer if busy | 2200-2300  | UTC     | 14.055 |
|                  |      |      |                                    | 2300-2400  | UTC     | 10.118 |
|                  |      |      |                                    | 0100-0200+ | FRI-UTC | 7.038  |

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|                       |                                   |
|-----------------------|-----------------------------------|
| Feb. 14 Fri. Vermont  | Feb. 17 Mon. Wash. DC             |
| Feb. 15 Sat. WYO & VA | Feb. 18 Tue. CANADA               |
| Feb. 16 Sun. WA       | Feb. 22-23 FYBO and FSFD Blow Out |

The FSFD Blow Out Weekend is in the planning stages to work with and in FYBO.  
More info to follow. Looking for North Dakota this weekend.

NOTE 1. Most sign-ups came with a note saying they would go longer if busy. Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq. If am major QRP frequency is listed, like 7.040, it means close by if possible. We will attempt to avoid being right on 7.040, 14.060, 10.116, etc.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc, we give those not on QRP-L an indication of what we're doing. FSFD type calling might be too cryptic for all but ourselves. However 'FS' is fine when busy. Exchange RST, State/Province/Country, and Name. Power level is nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:  
congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Remember, Jim K1MG starts up 50/40 activity next month. Watch for messages.

Jim K3QIO Wilmington, Delaware

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: clifton w sikes <csikes@brightok.net>  
Subject: [11253] FSFD : Stations worked from Ok.  
Message-ID: <199702070211.UAA01123@sooner.brightok.net>

What fun it was! Here are the stations worked. 40 meters ( AB7TK, W2NEP, K4WZ, WA1QVM, KK5RO, K3QIO, KT3A, AC6KW, KA3LLL, K6JI, KF2PH, N7CQR, N5LU, KI6PU, W1ME, KJ5SP, KK7BD, AND W0OP/7). 80 meters ( VE3JC, N3KFL, W6ZH, KK7BD, AC7A).

It was really nice to work my fellow Okies, but the highlights for me were VE3JC on 80m, and getting Dan, KK7BD, on both bands. Also, my last contact, Tom in Tucson, was on a HW-8. I have a special place in my heart for the HW-8's, and will go the extra mile to work one. Thanks one and all for a great evening.

72, Clif ( with one f )

Clifton Sikes

AB5UA

Earlsboro,Ok.

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: talljazz@teleport.com (Dan Presley)  
Subject: [11323] FSFD Oregon 2/06 report  
Message-ID: <v01530506af21251af38e@[206.163.125.132]>

OK-here's the 'poop' from my operation on 2/06 from Oregon.

Had a lot of fun, and picked up some new states for myself as well as 'handing out' Oregon . Condx were better than I expected, especially on 20. I had a bad local source of QRN on 30 centering right on 10.116! I moved down to '110, so my apologies to anyone looking around the original freq. 40 was up & down-either a good sig, or nothing!If I wasn't getting responses I went after stations, and a couple of times explained what I was doing, and may have helped a few to learn about QRP. My apologies to those that I couldn't shovel out of the mud.

Where were Texas & California?! I worked 10 stations from AZ, so I think these guys have you big 'guns' way behind!

20 M 1800-1900 UTC

|       |       |                    |          |     |
|-------|-------|--------------------|----------|-----|
| W7KXB | 18:07 | 459/559 (his/mine) | AZ Bill  | 3 W |
| K5ID  | 18:14 | 559/549            | AR Ken   | 5 W |
| W9UQB | 18:30 | 539/559            | AZ Mike  | 5 W |
| NQ7X  | 18:55 | 579/569            | AZ Floyd | 5 w |

30M 1900 UTC

|       |       |         |         |                                |
|-------|-------|---------|---------|--------------------------------|
| W7KXB | 19:20 | 449/449 | AZ Bill | 5 W (tried at 1 W, but no go!) |
| W1XU  | 19:27 | 549/549 | AZ Jim  | 100 W                          |
| K6QN  | 19:40 | 539/449 | Ca ?    | QRO                            |

20M 2300 UTC

|            |       |         |           |                    |
|------------|-------|---------|-----------|--------------------|
| VE3JC      | 23:05 | 559/539 | ON John   | 5 W                |
| K4WZ       | 23:10 | 559/569 | GA Ron    | 5 W                |
| WA1QVM (?) | 23:12 | 229/?   | ME(?) Joe | ? Too much QSB-SRI |
| W4ED       | 23:30 | 449/449 | GA Bob    | 5 W                |
| W9KI       | 23:32 | 449/459 | AZ Howard | 5 W                |
| N4BP       | 23:36 | 449/449 | FL Bob    | 5 W                |
| KI7MN      | 23:50 | 559/579 | AZ Bob    | 5 W                |
| AB7MY      | 23:58 | 539/539 | AZ Gary   | 1 W                |

40M 0200 UTC 2/07

|        |       |         |               |                          |
|--------|-------|---------|---------------|--------------------------|
| K4NK   | 02:14 | 549/539 | SC Les        | 4 W                      |
| KK7BD  | 02:16 | 559/559 | AZ Dan        | 5W                       |
| W2DP   | 02:17 | 449/449 | NJ ?          | 5 W (QSB got your name!) |
| KF6CTA | 02:20 | 559/339 | CA Dick       | QRO                      |
| W7GVK  | 02:25 | 449/449 | AZ Rod        | 2 W                      |
| WL7CKX | 03:15 | 559/549 | AK(!) Patrick | QRO (maybe a convert!)   |
| KG0PP  | 03:20 | 449/339 | CO Jim        | ?                        |
| NA5K   | 05:50 | 539/569 | TX Smitty     | 5 W                      |

I had a nice chat w/ Smitty, and the band was in nice shape at 0500 on-just no one up! I also tried to catch the other Oregon station KB7RTA on 80, but no luck.

Looks like 23 solid Qsos, and let me know if you spot a mistake-Thanks again to all who participated, and To Jim Hydzik for organizing this. I will be sending QSLs next week-let me know if your adress is different than on the "QRZ" or QRP-1 archives.

Dan N7CQR

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Jeff McDowell N0WCF <jeff@saturn.flipag.net>

Subject: [11236] Fwd: Digital bandplan questions!

Message-ID: <32FA70C1.528B@saturn.flipag.net>



Would you please forward my message to the QRP reflector? It wouldn't accept a direct post from a nonsubscriber. Tnx.

Brian Beezley, K6STI  
k6sti@n2.net

W5XE deliberately tried to disrupt a DX PACTOR QSO I was having this morning on 7030. I had been on the freq for about 45 minutes.

There is a conflict in that part of the 40-meter band because many DX stations are prohibited by local regulations from using digital modes higher in the band (US operators run digital modes from about 7060 to 7090). So the only way to work digital DX is to do it in the CW part of the US band

(see K1ZZ's editorial in QST last year for more on the 40m allocation problem). I don't like it when a 'foreign' mode invades my turf, but I don't take it upon my self to jam the intruder away, particular when he is lawfully there. I tried to explain all this to W5XE but ironically he got wiped out by Asian digital amateur signals on 7030! When we QSYed to 7029 he got wiped out by US CW!

40 is tough because of differing international allocations. Can't we just all live together?

Brian Beezley, K6STI  
k6sti@n2.net

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [11273] FYBO on our camping weekend!  
Message-ID: <8D1852F.0004000736.uuout@cheaha.com>

Well, we didn't plan it this way, but my brother-in-law and I are going on one of our CHEAHA's the weekend of the 21st. This is usually a camping trip via pontoon boat down the Chattahoochee River that makes up the southern portion of the line between Alabama and Georgia. We have been planning the trip for a while and figured on me setting up a station on one or both nights of the trip and seeing what kind of contacts I might can make. As it would happen, FYBO will be going on so there should be plenty of traffic. :)

There are two islands on Walter F. George Reservoir that are big enough to camp on. One is Rabbit Island, the other Gopher Island. Not sure which one we'll use. I took a late evening cruise a few weeks ago

and spotted some nice trees to throw a dipole up in on Rabbit Island. Rabbit Island is smaller than Gopher Island, though. The big sand beach on Gopher Island is a nice campsite, but we'd have to back up away from the water to have any good trees. It's a toss-up now, we'll probably flip a coin and see when we get there.

The rig will be a NorCal 40a. I'm in the midst of trying to figure out whether to tune it to the Novice/Tech+ band or the General band. Any input here?

Antenna will more than apt be a dipole. I might even bring a ham-stick to mount onboard and have a "cruising-qso". :) My last trip where I scoped out the islands was a solitary camp-out on the boat. I tried rigging up a 40m dipole(of sorts) on the boat by using some out-riggers to give me an increased span. Didn't work...ever try hanging a 40m dipole on a 21' boat?<g> I resigned myself to listening and checking into the South Alabama Net on VHF.

Anyhow, we'll be on a little speck of land in the middle of Walter F. George Reservoir on the Chattahoochee River on the 21st and 22nd. Probably be around 7.112mhz. I'll try to post some definite times, etc., if anyone is interested.

Anyhow, everybody have a good FYBO es stay warm!(sounds kinda contradictory doesn't it?)

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Joe Gervais <vole@primenet.com>

Subject: [11333] FYBO Operating Tips

Message-ID: <199702072124.0AA22983@usr07.primenet.com>

Christopher (N3XRV) wrote:

> > On Thu, 6 Feb 1997, ED WELCH wrote:  
> >  
> > The rig will be a NorCal 40a. I'm in the midst of trying to figure out  
> > whether to tune it to the Novice/Tech+ band or the General band. Any  
> > input here?  
>  
> Well being an N/T, I vote for 7.100-7.150!! Plus we're worth more points.

Christopher brings up a good reminder which should make you ponder your FYB0 plan of operation. \*Any\* QSO in the Novice segment of the band is worth at least double the points, 5x the points if you catch an actual N/T.

If you're going to operate FYB0, plan to spend a good amount of time in the Novice segments of 15/40/80m! This isn't meant to punish those who may be rock-bound to the General freqs. Lots of folks will hop back and forth, so everyone will have plenty of QSOs. But since you can only work a station once per band, it makes sense to work as many of them in the Novice segment as possible, where they're worth 2x the points (at least).

Now the big question - how many N/T's are we going to be able to get on the air for this little jaunt? If you know one, start applying peer pressure now! Only two weeks to go. This is their contest! There's even an award for "Worked Most N/Ts" with its own prize. It ain't ever going to get better than this, folks! Find a N/T, get 'em behind a rig and on the air!!!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

PS- If you're a N/T planning on operating FYB0 - let us all know who you are! Get that callsign out there and whip up a feeding frenzy! :-)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: wa5whn@juno.com (Jay D Miller)  
Subject: [11335] FYB0/Novice/Techs/suggestion  
Message-ID: <19970207.144450.4551.0.wa5whn@juno.com>

QRP-Lers,

As a suggestion; the Novice/ Tech types, if You don't mind, so we can search & pounce for FYBO, or as it is affectionately called, south of 38 degrees North Latitude, TYBO (Tan\_Your'\_,...) stay towards the high end of the Novice/Tech HF bands. Say around 7,147 KHz, plus or minus on 40 meters. Makes the hunt & pounce much easier. Otherwise we spend alot of time notching the AM SW broadcast stations out. Joe, AB7TT, those are some nice prizes, Ten-Tec QRP HF xcvr kit, SW-X0 kit, from "Small Wonder Labs", etc..

We will call CQ FYBO de W5BI from high (Yes, we are one of those idoi.... that W1HUE had referred to). ;-) Let's see, "Mr. Fusion" is packed (new from Ronco), and signal flares, signal mirrors, 5K BTU portable heaters, GPS. Gee, what more do we need ? ;-) Ever try to boil water @ 10+ K feet asl ? Nomex gloves for the keyer, we are ready. Hmm, we need to defog the goggles first, let's switch to voice. (hot air).  
;->

72... de WA5WHN...Jay

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [11274] Heath IG-102S RF Signal Generator MANUAL - Wanted  
Message-ID: <8D18551.0004000739.uuout@cheaha.com>

Anybody got a manual for a Heath Kit IG-102S signal generator? I'd either like to buy one or a photocopy. Tnx!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: kd1jv@juno.com (Steven Weber)  
Subject: [11242] High-gain broadband active antenna  
Message-ID: <19970206.191938.4863.0.KD1JV@juno.com>

Hot dang, this thing really works!!!!

With a couple of TV whips mounted to a peice of wood and just a couple of feet off the ground, inside, I can hear really well. And by turning it, I can null/peak a station by a good couple of S units. Can't wait to box it up and put it on the roof with a rotor.

Once again, this is from the Jan 6th, 1997 "Ideas for Design" in Electronics Design, by a M.J. Salvati. (page 164,166) Good from 100 Khz to 40 Mhz. I have mine set up for 15 dB of gain. About \$15 in parts. Neat-0

de KD1JV, Steve in NH

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: PA3ASC@mailbox.hol.nl (Mike Perry)  
Subject: [11280] If you need a Dutch QSL card??  
Message-ID: <199702070707.IAA03464@bonny.hol.nl>

Hi gang,  
If you need a QSO with PA-land, this weekend is a good time to try. The Dutch PACC contest will be on and a fair number of Dutch stations, some QRP, will be stoked up for the event and hoping for propagation W/VE participation has been quite small in the past, but we would still love to work you. And if you work 100 of us you can apply for an award.  
The CW + phone contest starts at 12:00 UTC on Saturday February 8 and runs for 24 hours.  
Contest rules and award info (in English) are on the net on <http://www.nikhef.nl/~pieth/veron/verone>  
Prefixes to look for are PA0, PA3, PA2 (only a few of these), PI (club stations) and PA6 (special event).  
Hpe cu in 'test.

73 de PA3ASC

--

Best regards from The Netherlands,  
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl ]

=====

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: teixeira@ccnet.com (T E I X E I R A)

Subject: [11270] Internet Surcharges!

Message-ID: <v01520d02af1ff2ee8997@[206.80.32.116]>

Hi all,

Received this earlier today. You should all be interested!

=====

DE W6NW, FYI. W7BOB is one of my VE's from Oregon

From: Robert W7BOB Palmer <rpalm@winfinity.com>

Subject: Proposed Phone Co. Internet Surcharge

Just received this on Internet. This looks like a real problem.

It was on TV News last night.

US West is one of the companies promoting it. Note FCC  
comment deadline of Feb 13. Comment to isp@fcc.gov.

Subject: Phone Company Internet Service Charge

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Bensondj@aol.com

Subject: [11327] Is this Mr. Kwirp speaking?

Message-ID: <970207125610\_983017138@emout01.mail.aol.com>

Hi Gang-

For those of you who heard me speak at Dayton several years ago, I had related a story about my surprise at being addressed as "Mr. Wonder" for the first time. With the advent of those CD ROM phone/ address databases, though, I fear it's a whole new ball game.

I now receive sales calls about once a week asking for "Mr. Small" or "Mr. Wonder". I asked Dick Witzke at Oak Hills Research about this, and indeed he receives the occasional call for "Mr. Hills". I've got to assume that the other QRP suppliers have had similiar experiences as well. As the saying goes, "to err is human; to really mess up requires a computer"- it's a new world out there!

Have a great weekend, all. :-)

Dave Benson, NN1G

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: ed.welch@cheaha.com (ED WELCH)  
Subject: [11259] Just because...  
Message-ID: <8D184E3.0004000728.uuout@cheaha.com>

-> W5XE deliberately tried to disrupt a DX PACTOR QSO I was having this  
-> morning on 7030. I had been on the freq for about 45 minutes.  
->  
-> There is a conflict in that part of the 40-meter band because many DX  
-> stations are prohibited by local regulations from using digital modes  
-> higher in the band (US operators run digital modes from about 7060 to  
-> 7090). So the only way to work digital DX is to do it in the CW part  
-> of the US band

Hmmm, the "DX stations are prohibited by local regulations from using digital modes higher in the band..." Sounds like the DX stations are good amateurs that follow regulations. Apparently you haven't broken any regulations by dropping low in the band, but what about the "gentlemen's agreement "....or is this another area of ham radio that's going to hell in a handbasket? I'm not against any of the digital modes, CW is one, but my previous question is on my mind in regards as to what's going on with ham radio here in the USofA.

I'm a new ham, but a ham non-the-less. There are hams with higher classes of licenses than I have, but they are no "better" than I am. There are hams with lower classes of license than I have, but I am no "better" than they are. As a new ham, seeing some of the things that are happening and causing discontent and anger between different factions is beginning depress me. I thought hams were like a large community working together for the betterment of AMATEUR RADIO, not the betterment of one segment of this hobby. I thought that hams helped one another, not hurt one another. Maybe I oughta look at a different hobby.....something nice.....like dog-fighting or something.

I know nothing about the qrm caused by W5XE, kinda hard to see how a qrp station could cause qrm to a RTTY station, but I'll state now that there's a lot of things that I don't know. But what I do know is what Mr. Beezley has stated in his posting....that he voluntarily came into the CW sub-band, though not against regulations....but still, against a gentleman's agreement. I'm a newcomer, I play by the rules because undoubtedly these rules are what makes the hobby work. When we start making up our own rules "just because", then the hobby doesn't work anymore.

Care to share ARRL's view of this Mr. Stafford?

I've been scanning the rec.radio.swap postings looking for deals on some equipment.....I wonder if I'll be listing mine there soon?

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: "KA5T Larry Wise" <lewise@inetport.com>

Subject: [11252] MICA Cap markings....

Message-ID: <199702070206.UAA08393@admin.inetport.com>

Thanks to all who responded to my post....

I had forgotten how much useful info can  
sometimes be gleaned from studying catalogs....

And the importance of actually measuring the value  
of parts of doubtful lineage cannot be over-emphasized...

After pondering for a while I got out the trusty MFJ 259  
and a 50 ohm resistor and the 4.7 uH choke from the  
NC38S kit and went to work measuring some of the caps  
as per the instructions in the back of the manual...  
Since I was really testing for orders of magnitude, there  
was not accuracy problem...

It seems that there is only a serious potential ambiguity problem  
with the three digit markings that end in zero... One or two or four  
digit markings always seem to be the value in pfs, while the  
three digit markings with the third digit not zero always seem to be  
coded....

Here are some of the surprises that I found...

| Value | Marking |
|-------|---------|
|-------|---------|

|        |      |
|--------|------|
| 120 pf | 120J |
|--------|------|

|       |               |
|-------|---------------|
| 12 pf | 120J03 CM05CD |
|-------|---------------|

|        |        |
|--------|--------|
| 110 pf | 110PG9 |
|--------|--------|

|        |        |
|--------|--------|
| 130 pf | 130PG3 |
|--------|--------|



15 pf 150J03 CM05CD  
150 pf 150PG3  
180 pf 180J0A CM4C0  
51 pf 510f03 CM05ED  
560 pf 560PG1

As usual you learn something on these little projects....Like how really nice the MFJ 259 is for things other than antenna work...  
And how useful it is to have a bunch of little computer programs for calculating things like  
Capacitance value to resonate with a give Inductance value, resonate frequency of a given cap and coil etc etc etc.....

Now I'll be able to measure those little coil blobs with no markings....

But first things first...to finish the NC38S...(with the correct caps...).... :-)

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89  
ex: KN80SG K80SG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "J.B. Fox" <w5hir@mail.phoenix.net>  
Subject: [11338] MODS TO 38S  
Message-ID: <199702072254.QAA08105@mail1.phoenix.net>

In my usual cunning way ( I'm a real FOX you know)... I copied all of the good advice about which components not to install if hyou were gonna put in the RIT and TICK and PA mods... well i stored all of this good info in a safe place... it is so safe, that I can't find it!!!!

If some one will please recap all of thos good parts not to install, I would appreciate it... thanks,

J. B.( Foxy) Fox w5hir@mail.phoenix.net #822

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [11314] More 38S comments  
Message-ID: <1.5.4.32.19970207174253.00681e08@mail.teleport.com>

I was right in my earlier msg about building while sick. I did the TiCK telemetry mod again last night and this time hooked the resistor to the correct side of C32 and cut the proper trace. Works like a champ now but I still have the 2.2 meg at R17 and the sidetone is loud. 73

Steve Miller KG7PV Portland, OR  
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: nskousen@scientechn.com (Niel Skousen)  
Subject: [11330] N/T Fox Report  
Message-ID: <v02140b0aaf214554741f@[198.60.91.132]>

Big apologies to all for a late start last night. Was at #2 Sons last wrestling match last night. Supposed to be over by 6:30-6:45 latest, he finished at 7:10 (0210z) and the N/T Fox hunt slipped to 0240 start...

I apologize for the late start, but life happened. OBTW, He pinned the guy !!

The band was something else last night. I got 2 contacts the whole nite. Even Joe (AB7TT) who is normally 599 here was a marginal 229/QSB5. I ended up moving 4 times when stations (-4's and -0's) came on, called QRL, did not hear my reply and started QSO's... oh well, as I said 'life happened' last nite, in spades.

TNX to all who tried, listened, and still could not make it. I apologize to those who listened during the first 45 min and decided there was no chance...

0245 W1HUE 599 579 Larry ID  
0317 AB7TT 229 229 Joe AZ

TNX agn, CU agn 2/25 as N/T Fox WA7SSA/5 from Houston !! (I'll get K5F0 in the foxlog one way or another :-)

72  
Niel

-----  
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientechn.com  
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119  
Z-----DN33wm-----

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [11257] NC38S comments  
Message-ID: <1.5.4.32.19970207023934.006630bc@mail.teleport.com>

Hi all, well I built the rig last weekend while sick with the flu. Not a good idea but helped pass the time. Went for the RIT, TiCK and 5watt mod all at once, tho after my results I can't say I'd recomend it. Here is a quick look at my final results. A special thanks to all who have posted their problems and solutions and mods, with a nod to Mike K1MG for his suggestions. The rig is done and just needs a box now!

I did the 5 watt mod and Mike's mod to it. I installed the TiCK and rit mods. My rig would tune up ok on the dummy load but not the antenna which Mike correctly diagnosed as a dirty sig (which also accounts for the 7 watts I was seeing). The fix involved taking 1 turn off L2 and replacing the silver mica output caps with polystyrene. I followed Pauls values for C501/505 so the filter runs 560/1000/560 with C26 at 330. I believe that I had cooked one of the sm caps so replaced them all. Overkill, I know but I had the poly caps.

The now famous low freq chirp was cured by following the mod by Mike N5JKY where the rit is removed, 14/15 are jumpered and 18 is grounded. I finished with a 6.8 for L1 which tunes 127 - 098 so I will trim the vfo pot once I get the ten turn pot installed and the rig in a box.

I also did the T/R mod (again Mike K1MG) but removed the "mandatory" Tick mod as it reduced my audio (anyone else notice this or did I do it wrong? ) and I can hear the tones ok. This means I went back to the 2.2 meg for R17. I also jumped R24 and added a 33uF cap at the audio output to roll off the noise and took one turn off T1 (now 18T) to get two peaks. Can't wait for a qso now!

Thanks Ori and all the good folks at Norcal for another great rig. 73

Steve Miller KG7PV Portland, OR  
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
Subject: [11287] nc38s serial numbers?  
Message-ID: <199702071238.HAA20945@aus-f.mp.campus.mci.net>

I think someone else was asking about this a short time back.  
I recvd my nc38s today. It had the number 589 (maybe 509)  
written down at the bottom of the envelope. Is this a serial number  
of some sort?  
If so, I smell an award program (WA38)! No, really! Or maybe  
a contest.  
Been playing with the radio all evening. Can't wait till I open the  
bag.

She's so fine my 589 (maybe 509)... rich

-----  
Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>  
qrp-1 #933 ars #223  
-----

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: bachmann@ari.net  
Subject: [11269] NC38S: Tinkering around  
Message-ID: <199702070439.XAA12513@mtolympus.ari.net>

A parts place called Hosefelt Electronics (1-800-524-6464) has little 1/4" Bourns single turn cermet trimpots that look like a transistor with a screw in the top. These trimpots are available in 16 different values and look like they are ideal for for Glen Leinweber's suggestion (2 February) of a trimpot at the bottom of the main tuning pot to set the frequency back up to 10.1 (when using the 6.8 uH without the RIT mod.) They also have silver micas in regular values (and in strange values like 542pf, 1100pf, 1150pf.) 8 pin DIN connectors are in the catalog. Inline and panel mount versions are available that mate with the power supplies that were sold by the case some weeks ago. I got their catalog when Dave Benson, NN1G, suggested them as a source for a 10 turn pot for a GM-30 (They have new 10 turn pots for 10 bucks.) There is no minimum on prepaid orders. Shipping is \$1 handling plus actual shipping cost. They have a 166 page catalog. DISCLAIMER: I have no financial interest or connection with Hosefelt Electronics. I am a frequent, satisfied customer.

I haven't tried it on the 38S but sometimes the frequency counter shifts the frequency when you are trying to measure an L0. One way to detect it is to get a tone from the L0 on a general coverage receiver (even an old Hallicrafters S38 will do)...when you connect the counter, listen for a frequency shift on the

tone. No tone shift (or a little one), everything is OK. If you hear the tone shift significantly...play it by ear. Sometimes a buffer of some sort is necessary. One of the inverters freed up by the TiCK mod might work as a LO buffer to drive a frequency readout. I haven't tried it and the need depends on the counter and the hookup.

73, Rich, N3SLR, Balt. MD

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
Subject: [11288] ne602 source?  
Message-ID: <199702071238.HAA20944@aus-f.mp.campus.mci.net>

Where can I get ne602's?  
... rich

-----  
Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>  
qrp-1 #933 ars #223  
-----

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [11291] NEC-4 and EZNEC Pro  
Message-ID: <Pine.SOL.3.94.970207080336.1904A-100000@utkux4.utcc.utk.edu>

For antenna modelers leaning toward the professional end of the scale:

I have just received from Roy Lewallen, W7EL, a copy of EZNEC Pro/EZCALC4, which is his adaptation of NEC-4 to his well-known interface (common to EZNEC and ELNEC).

NEC-4 overcomes limitations found in MININEC and in NEC-2. MININEC limits

include inaccuracy for antennas below about  $0.2 \text{ wl}$  up and difficulties in wires that join at angles. NEC-2 limitations include inaccuracy for adjoining wires of different diameters and the inability to model ground planes below the ground surface. NEC-4 has none of these limitations, but handles otherwise like NEC-2 (the calculation engine in EZNEC).

Unfortunately, the system is expensive. EZNEC-M, v. 2 (which is the virtually no-limit to segments version of EZNEC (NEC-2) and uses the EZNEC Pro interface now) runs \$425, with a \$325 price for upgrading from EZNEC itself. EZNEC/4, with the NEC-4 engine runs \$600 (but contains both NEC-2 and NEC-4), with a \$550 price tag for upgrading from EZNEC. However, NEC-4 is still under both government and proprietary control, and Roy cannot ship NEC-4 until you independently register for NEC-4 with LLNL/Un. Cal. This cost \$150 educationally (meaning having an acceptable academic affiliation), but otherwise runs \$800 or so. You receive from LLNL a TARred copy of uncompiled FORTRAN NEC-4, plus very extensive documentation. When opened and compiled for a PC (a version for MAC is also available), this version of NEC-4 will also run with the EZNEC Pro interface or with other interfaces that may allow you to implement some of the features not implemented in EZNEC Pro. All this makes EZNEC/4 most applicable to universities and engineering departments of business and industry.

Nonetheless, I wanted folks to know that NEC-4 is available, and in the EZNEC interface format, several months before the news hits the magazines. I suspect Roy will carry a copy to the next ACES meeting. He showed a very preliminary copy at Dayton next year, before working out all the intricacies of the interface. This will also let QRPers know what one of its Hall of Famers has been up to for the last year or so.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: svecbrdk@well.com (L.Svec,W.Burdick)  
Subject: [11237] New Sierra production unit testing completed  
Message-ID: <199702061716.JAA04762@mail.well.com>

The new Sierra looks and works great. Bob Dyer at Wilderness built the first unit and I tested it yesterday. Stock, power output is 4 watts on 80 meters with a 14V supply, and at a PA efficiency of 70%.

Bob tells me that he will start shipping the Sierras today or tomorrow.

73,  
Wayne

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [11304] NorCal QRPp  
Message-ID: <199702071602.KAA23483@multi13.netcomi.com>

QRPp arrived here in California yesterday, and I think I understand why there was so much hysteria about its delivery.

Besides being a fantastic issue, the bulk mailing label said:

Socorro, NM  
Permit # 72

Perhaps the entire shipment was "borrowed" by QRP aliens who so enjoyed reading it that they returned it with a hearty "72"

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11254] Norcal-40a Final Voyage  
Message-ID: <199702070206.TAA15269@usr04.primenet.com>

Howdy All,

Well \*that\* wasn't quite the graceful last "huzzah" I'd hoped for! Tonight I took my NorCal-40a for one last sentimental journey (selling it to raise \$\$\$ for a KC-2 to go with my Sierra). Got out the headphones, plugged in the key, fired her up. Sigs filling up the band. Found a clear spot, baited my hook, and called CQ on her for the last time.

Well I'll be darned if it wasn't Bob (N6WG) aka the Elusive Furry One who came back to me! Perfect way to say goodbye to the ol' rig! This is poetry, I tell ya! That's when my straight key stuck. Hmmm. Bad

poetry. Seems before I got on the air, one of the boys had loosened the locking nuts just enough and the whole thing was seized up nice and tight by the end of my CQ. Argh!

Finally loosened up the key, Bob was still patiently waiting, and I sent his report. Then the S-9+ zero-beat QRM hit us. Did I mention I'd turned down the AGC prior to this? OUCH!!! Still hurts.

But still, a nice "final cruise" with the little '40a. Thanks Bob! This one gets a special entry in the log. Last time with the rig, first time with the new call. And first QSO while coughing up smurfs - man, did my first ever show it.... Been QRT too long!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>  
Subject: [11334] Power Distribution Unit - warning in instructions  
Message-ID: <199702072130.QAA57402@nss2.CC.Lehigh.EDU>

Greetings,

I just purchased a DC power distribution unit for my shack in order to clean the clutter of multiple power supplies, etc.

However, the instructions warn, "caution - do not connect your HF rigs to this unit - directly connect them to the power source!".

Now I can see this as a potential for high current draw equipment, but what about multiple QRP rigs that draw on the order of an amp? Is there a potential for added noise or interaction between equipment drawn from the same supply ?? I am very curious about this.

thx es 72 de n3qoo  
john

-----  
John A. Evans                      Chief System Administrator  
Office: (719) 528-1800 x164              Titan Client/Server Technologies  
Fax:      (719) 528-1275              1115 Elkton Dr, Suite 200  
email:    jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535



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Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045  
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454  
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From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [11300] Propagation tools (fwd)  
Message-ID: <Pine.SUN.3.91.970207072429.27317A-100000@crl7.crl.com>

I think many on the list will find the following message of interest.  
I have download the program and it runs FB on Win95. de Stan AK0B

----- Forwarded message -----  
From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: AE0Q / V31RY <v31ry@ix.netcom.com>  
Subject: [11307] QCWA QSO Party this weekend (CW & SSB)  
Message-ID: <2.2.16.19970207161205.3537b986@popd.ix.netcom.com>

This weekend, and another weekend in a month, is the QCWA 50th Anniversary QSO Party. The big change is that the QSO Party is open to all hams for the first time, instead of just QCWA members. It may be operated on CW or SSB (or both) on both weekends (the published rules in Feb CQ and QST are in error, stating that this is the CW-only weekend). Also, the published rules left out sending the NAME as part of the exchange. Exchanging names makes this a friendly 'contest'!

I have made two configuration files for the contest for LOGic-4 logging software, one for members and one for non-members to use. They have all the scoring and dupe-checking built-in, and are available at the PDA ftp site:

ftp.hosenose.com in /users/pda

Contest times are 1400 UTC 8-FEB-97 until 0600 UTC 10-FEB-97, and  
1400 UTC 8-MAR-97 until 0600 UTC 10-MAR-97.  
(Operate 24 hours max on each weekend)

Hope to work some QRPers this weekend, the bands will be hopping!

73 -- Glenn

-----  
Duct Tape is like the Force: It has a light side, and a  
dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Pete Rossi <wa3nna@resuba.com>  
Subject: [11264] QRP BEACON \*\* THIS WEEKEND \*\*  
Message-ID: <199702070338.WAA12931@resuba.com>

----- WA3NNA/B 80 METER QRP BEACON ANNOUNCEMENT -----

START TIME : 0000 Z Saturday 8 FEB 97 (7 PM EST FRI 7 FEB 97)

END TIME : 1800 Z Sunday 9 FEB 97 (1 PM EST SUN 9 FEB 97)  
^^^^

\*\*\* PLEASE NOTE REVISED ENDING TIME \*\*\*

FREQUENCY : 3557 KHz

OUTPUT POWER : Power will cycle though 5 different levels, 2 minutes at  
each power level; 4 minutes at the 100 uW level.

| ----- MINUTES PAST THE HOUR ----- |       |       |       |       | POWER LEVEL |
|-----------------------------------|-------|-------|-------|-------|-------------|
| 00-02                             | 12-14 | 24-26 | 36-38 | 48-50 | 1 W         |
| 02-04                             | 14-16 | 26-28 | 38-40 | 50-52 | 100 mW      |
| 04-06                             | 16-18 | 28-30 | 40-42 | 52-54 | 10 mW       |
| 06-08                             | 18-20 | 30-32 | 42-44 | 54-56 | 1 mW        |
| 08-12                             | 20-24 | 32-36 | 44-48 | 56-60 | 100 uW      |

Each level represents a 10 dB drop from the higher level.

These times should be very accurate, however, keep in mind that  
the power level will not change to the next level until the  
previous message has finished sending.

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

MESSAGE : VVV VVV xx MW <4\_letter\_code\_word> DE WA3NNA/B QRP  
Sent at aprox 15 WPM. Unique codeword for each power level.  
The codeword will be repeated THREE TIMES at the 100 uW level.

ANTENNA : 80 meter coax fed inverted-vee center @ 65' running east/west

REPORTING : Please send all beacon reports to [beacon@pete.resuba.com](mailto:beacon@pete.resuba.com)

Detailed signal reports, receiver and antenna info, etc are very much appreciated but PLEASE do not bury your codeword reports inside a lot of lengthy text. It takes forever to extract the information that way.

So, PLEASE include a separate text block with your report containing the following information for the lowest power level copied:

YOUR CALL & NAME  
YOUR LOCATION  
CODEWORD & POWER LEVEL  
DATE/TIME  
SIGNAL REPORT

Canadian and other DX stations, please send mailing address + long/lat coordinates of your location.

Certificates acknowledging the lowest power level at which you correctly copy the codeword will be available. Jerry, W4UK, who produced the certificates for past beacons has offered to produce them again for this one.

Details on how to request a certificate will be posted with the summary report which will be posted a few days after the beacon session, once all reports have been received. Please do not post the codewords.

Please spread the word about this beacon through whatever means available.

Good luck & 73,

Pete Rossi - WA3NNA QRP-L #459  
[wa3nna@pete.resuba.com](mailto:wa3nna@pete.resuba.com)  
[beacon@pete.resuba.com](mailto:beacon@pete.resuba.com)

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: [ed.welch@cheaha.com](mailto:ed.welch@cheaha.com) (ED WELCH)  
Subject: [11251] QRPp First Class Mail  
Message-ID: <8D184B2.0004000726.uuout@cheaha.com>

-> problem. We have a first class journal, we do first class kits, but  
-> we are giving lousy service with bulk mail. That is a fact. So, we

-> have decided to make a huge change with QRPP. We are going to go to  
-> first class mail.

Excellent!!!!....or should I say FIRST CLASS!!!!!!

-> class. To make this change means that we are going to need some help  
-> from the members to cover our costs. Otherwise, Jim and I will cover  
-> it. Here

WHAT!!!!!!!!!!!! Heck no you ain't gonna cover it! Let's see,...ya'll  
design, redesign, test, proto-type the pcb, retest, write manuals, edit  
manuals, test some more, find parts, find more parts, do some more  
testing, modify the pcb, edit manual some more, order final pcbs, order  
parts, order more parts, stuff the kit bags (is everybody enjoying  
checking the parts list?... imagine what the crew went through filling  
all these plastic bags!), take more orders, ship orders, ship orders,  
stuff bags, field all kind of questions from \*US\*, answer \*more\*  
questions, and about a zillion other things. And ya'll do all of this  
for a measely \$25 a kit? Geez, man, I feel like I'm coming off like a  
bandit with the kits! And you're saying that ya'll will cover it if we  
don't?! Get real, man. \*We\* can't let ya'll do \*everything\* now can  
we? :)

Yes, FIRST CLASS is the way to go, and it shouldn't hurt our retirement  
fund \*that\* much! Good decision!!!!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: Doug Hendricks <ki6ds@dpol.k12.ca.us>

Subject: [11317] QRPP Price Increase

Message-ID: <1.5.4.16.19970207112854.0a47e2bc@telis.org>

Thank you to all who have sent messages of support on the recently announced  
price increase of domestic subscribers to QRPP. We are taking a \$5 increase  
to enable us to meet the increased costs of First Class mailing to the US

subscribers and the increased printing costs. Subscriptions to QRPP are now \$15 US, \$15 Canada, and \$20 DX. Please send to Jim Cates, 3241 Eastwood Rd., Sacramento, CA with checks or money orders made out to Jim Cates, NOT NorCal, and in US funds only.

We are also asking current subscribers to help us meet the increased costs that we will have with the first class postage to current subscribers. Please send us the following amounts to help offset the cost to the club if you can. Starting with the Spring issue, we will mail everyone QRPP first class. That means that no one will not receive an issue if they don't pay, Jim and I will honor our agreement. But, we would appreciate your help by you checking your mailing label, and then sending us the following:

| Mailing Label Says | Please Send |
|--------------------|-------------|
| Mar. 97            | \$1         |
| June 97            | \$2         |
| Sept. 97           | \$3         |
| Dec. 97            | \$4         |
| Mar. 98            | \$5         |
| June 98            | \$6         |
| Sept. 98           | \$7         |
| Dec. 98            | \$8         |

And in the original posting I forgot to tell you where to send the money. Please send to Jim Cates, 3241 Eastwood Rd., Sacramento, CA 95821. You might include a short note saying that it is for the First Class Postage so Jim will know. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [11281] QRPP: call for ideas  
Message-ID: <199702070706.AAA02535@zia.aoc.nrao.edu>

Gang,

The NorCal QRPP publications committee contacted me (well basically Doug Hendricks called) to tell me he was reserving 4 more pages in the next QRPP for the Hints & Kinks. With 750 38-S kits currently being built, it seems the next Hints & Kinks should be dedicated to building such a kit. Not specifically the 38-S, but any kit or HB rig. I'm referring the MECHANICAL or PHYSICAL aspects of building a rig ... different types of enclosures, mounting methods, frequency readout schemes, painting and lettering the panel ... the nuts and bolts stuff. It can be based on a ready made enclosure, such as one bought at Radio Shack or Mouser, or a totally homebrew approach you

have used. Or a fancy tuning mechanism, or readout assembly, or whatever. There's hundreds out there interested in how you've done things.

Please e-mail or snail mail me with your ideas or sketches. I will summarize them on QRP-L in addition to preparing the artwork for the next QRPP Hints & Kinks column. Of course each submission will be credited as to the author. Your ideas and things you have done should make it a great issue. And with NorCal deciding to mail the QRPP's now 1st class mail, you should get the next issue before the Dayton building contest or maybe in time for the 40M version (hint, hint, Doug and Ori). And if we get a gob of stuff, we can either go a couple more pages, or continue it in the following issue.

Thanks,  
Paul NA5N

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Cwh813@aol.com  
Subject: [11244] Repair challange??  
Message-ID: <970206165943\_1347029141@emout20.mail.aol.com>

Please excuse the bandwidth but I have been changing mail suppliers and have missed a lot.

I understand that a repair contest is in process for a qrp radio with a interesting reward. Would someone please foreward to me that information.

Thank You; Chris

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Dan Tayloe-P26412" <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [11325] Re[2]: ne602 source  
Message-ID: <M29293371.020.90uyp.1.970207200024Z.CC-MAIL\*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

They moved south about two blocks. They were having problems getting into and out of their drive due to traffic. I believe they are immediately south of the Oak street light, on the west side of the road. Previously, they were just north of Oak street, also on the west side of the street.

Being just south of the light gives them the ability to get in and out much more easily. Before, being on the north side, traffic at the Oak street light backed up past their place, making it difficult to get through.

Their new store front is in yet another shopping plaza and their new store front is anything but obvious. The shop is located in the far south west corner of that plaza, and is hidden from immediate view behind some restaurant (Ambrosino's Italian, 2122 N. Scottsdale Rd, Scottsdale, Az). Ambrosino's is a much more visible landmark than anything else in the plaza.

If you need to, give them a call and ask for directions. They are certainly alive and well.

- Dan, KK7BD

----- Reply Separator -----

Subject: Re: ne602 source  
Author: kg7pv@teleport.com@INTERNET at #EMAIL  
From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Floyd Smithberg <floydng7x@worldnet.att.net>  
Subject: [11263] ScQRPions Feb 11 WJ4P Mesa  
Message-ID: <19970207032252.AAA13280@LOCALNAME>

Randy WJ4P will be in Mesa Tues Feb 11 and ScQRPions Brian, Joe, Dan, Mike, Bob, Gary, Floyd et al will meet him at 6pm that evening at the:

Sheraton Mesa Hotel                      602-898-8300  
200 North Centennial Way                800-456-6372  
Mesa, AZ

Others are welcome to join us for a fun social evening at the above address and time. We will probably go to a local restaurant to be selected at that time...depending how many show.

Floyd NQ7X

Floyd NQ7X    Phoenix ScQRPion dm33uq

ARCI    G-QRP    NORCAL    ARRL

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: nf0r@slacc.com  
Subject: [11271] SLV Mods  
Message-ID: <9702062251.D1334ud@slacc.com>

Howdy!

I was recently sent a new loading coil and improved base set for my prototype St. Louis Vertical antenna. W6MMA has applied some practical

antenna theory and vastly improved on my original twinlead coil.

This handsome custom-made coil tuned coil is inletted into a pvc pipe form which slips over the second section of the collapsible pole. The elevated assembly is positioned at eye-level which also helps minimized ground induced losses. The turns are shorted with a machined sliding tap and follower. There is about 50' of tinned wire in the coil. It will cover 10-80M and can also handle 160M meter with some radiator enhancements.

A good match is easily achieved and most importantly the matches are repeatable. This is mandatory for operating portable at multiple locations. It also means that the tuner can be left at home with this version of the SLV.

A new base set includes a BNC antenna connection and a radial attachment point. The pole itself slips into a pvc socket and can be epoxied in place if desired. This assembly in turn fits into a rugged reinforced mounting. The ground system has been upgraded to five conductor rotor cable that can be optimized for four bands of interest. This radial concept compliments an unbalanced or coax fed antenna.

In search of an impartial second opinion N00CT was skillfully recruited for field testing in (almost) 50F weather. "Suns out, we'll be just fine" turned out to be a bit of a stretch! But, duty called! <g>

In a weather abbreviated effort Jim Smith and I had no problems (other than frozen earth) installing the modified antenna. Using Jim's Autek RF Analyst we quickly found a match and started working stations on 40CW.

With its new coil the modified SLV hears remarkably well. So well in fact that I'm not even going to bother with A-B testing against my original design. It's that good!!!

One surprise! The cold caused the VFO in my Argo 509 to drift right out of the passband with some contacts. FYBO aspirants might wish to take note and take along an extra blanket.....for the rig!

More experiments are in order as soon as the weather improves here in St. Louis. In the interim W6MMA is due a well deserved "atta-boy" for taking the SLV concept a big step forward. MNY TNX OM!

Vern Wright is working on some more SLV improvements and I'm sure he'll get the word out here on the QRP-List when the time is right. You'll like 'em!

73 de Dave, NF0R      nf0r@slacc.com



From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [11239] TenTec 1340 Owners Only  
Message-ID: <199702070017.AAA07016@chuck.dallas.sgi.com>

Please send email to me if you own the above critter,  
the latest CW QRP Transceiver from TenTec. See the  
web page listed at the end of my signature if you  
want to see one up close and personal.

1. Let me know how you are doing.
2. Give me proof that you own one of the above,  
say quote some R and C values from the book  
will do.
3. Don't let anyone else know the information.

I'll explain when I get a few emails accumulated.  
Noone else will know what is going on. :-)

FYI

SIG

Chuck Adams K5F0/6 adams@sgi.com DXCC=4  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)  
Subject: [11299] Test equipment projects  
Message-ID: <v01540b00af20f7e136e3@[157.142.56.167]>

There has been a recent thread about what items of test equipment are  
useful for the ham. I recently built two kits available from Electronic  
Rainbow, Indianapolis, that I've found handy additions to my workbench: a  
capacitance adaptor and an inductance adaptor for my digital VOM. Both  
kits are very easy to build, are inexpensive (both less than \$15), and best  
of all, they fit into an Altoids tin! ;-) While these adaptors won't rival  
laboratory grade test gear, they are great for identifying unmarked parts,  
testing the inductance of toroids, etc.

The details:

Inductance adaptor - kit IA-1 \$14.95  
Capacitance adaptor - kit CA-1 \$12.95

(They also sell cases for the kits to the tune of \$8.95 - but, hey, we have  
to find some use for all of those Altoids tins that we just had to buy

everytime we went shopping.)

Electronic Rainbow's phone number is 317-291-7262.

BTW, these kits are based upon articles that appeared in either Nov. or Dec. 96 Popular Electronics.

Standard disclaimers; Electronic Rainbow is not paying for my daughter's education, giving me bags of money in the park, etc.

Mike N5JKY  
Edmond, OK

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [11326] THOSE WASCALLY WICKED WOUND TOROIDS IN NC38S  
Message-ID: <9701078553.AA855353139@smtpgw.ccgate.dl.nec.com>

Gang:

I'll spare everyone the excitement I felt yesterday upon finding the NC38S in my mail box. I spent last night doing inventory on the parts - nary a one was left out. I'll do a separate kudos note to the NorCal gang.

Actually, winding these was very easy. But....

Question: This is my first kit with winding my own toroids. I want to do a good job, but not get all hung up on every aspect of winding them. L101 ( the PA inductor) has 27 turns on the toroid. My windings cover the entire toroid, even with pretty tight turns. Is this correct? With such small bodies, I don't see how it is possible to wind this one without taking up the entire form. Is this okay? Thanks in advance.

If I can get this one done, I may be giving it its debut for my 30m stint for FSFD on 2/12.

Neat stuff, but you all knew that!

73 de Dave NR3E  
nr Dallas, TX  
qrp-1 #25, ARRL

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: EScott@gstworld.net (Erin Scott)  
Subject: [11258] Tip, Ring,?????  
Message-ID: <000128E3.3117@gstworld.net>

>> (what is the right word for this? tip, ring,?????)

I don't know about anywhere else but in old phone stuff it's "tip,ring,sleeve".  
There you have it.

Erin KC7LEU  
KC7LEU@N7UVH.#NID.ID.USA.NOAM  
escott@gstworld.net

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: tahrens1@juno.com  
Subject: [11260] W7KXB - Bill - where are you?  
Message-ID: <19970206.205109.4895.1.tahrens1@juno.com>

Bill - What is your address?

Your QSL came back today

thanks,

Tim W5FN

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [11295] Web Page

Message-ID: <199702071421.HAA11356@dancris.com>

For those of you who visit my page, and those who will in future, please, when you add to the guestbook, go to the bottom of the page and visit the guestbook. There are entries there where folks are looking for information, equipment, advice and so on, as well as those who are offering information. You might find something you need, or have something to offer in return to a query.

Thanks

73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11340] WVA on 30m nowcallbook!  
Message-ID: <199702072356.QAA01330@usr02.primenet.com>

Howdy,

Just worked Art, W8PBO, on 10.123 for WVA! Wahoo!!!  
It's now 2355Z and he's calling CQ - go get him!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Brien Pepperdine <pepperb@gov.on.ca>  
Subject: [11312] Xtal colour burst sprint  
Message-ID: <Pine.OSF.3.93.970207113503.3639H-100000@govonca2.gov.on.ca>

Had fun last nite, despite the fact of only making one contact and even then now I am not sure I copied the call correctly! I had AA3xxxx, and a name, but call and name did not match in QRZ database, so something got fubared somewhere. Still, pretty sure he got my call, so somebody got something.

Seemed busy on the frequency, seems maybe not all the xtals are exactly at the colourburst frequency, which seems to be fine and spreads them out perhaps.

I had tried two xtals, one from a TV for real and it was on freq but made an awful noise in the living TV here, so I tried the xtal BoatAnchor Bob Keys sent to me, and it worked fine. Hearing that the calls were a bit spread out I took the xtal rig off line (and lost the 25 watts from the 807 tube) and went over to the vfo on the bigger Heath. Not qrp. So I am playing it from Glowbug / BA point of view this week at least since I have a bit more distance from the N.E. club core activity. Maybe next week I will turn the drive down to the tubes and see if I can do it as well with 5 watts (only thing worse than 1 contact is zero anyhow).

All the same I did hear

Bill Kelsey and tried for him amidst the qrn/m but it was too occupied. But there certainly was activity and I had fun, copied a number of stations somewhat, and was glad

to hear 80m. a bit better than it has been lately. I think I will be back for the Sprint again, and will also try to be at the frequency for the BA nets in the evenings if 80 m. will behave.

72,

Brien  
VE3VAW  
pepperb@gov.on.ca

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Paul R. Valko" <prvalko@Oakland.edu>  
Subject: [11286] Re: 3579 activity from WS8T  
Message-ID: <Pine.OSF.3.95.970207070434.2728A-100000@vela.acs.oakland.edu>

On Fri, 7 Feb 1997, Bill Kelsey - N8ET - Kanga US wrote:

> Neither one of us brought a copy of the rules, and neither one of us  
> could remember our NE number, so we sent 5w and had a good time. We  
> worked 9 stations in 8 states, and missed VE3 for country number two.  
> At the end of the test W8KC informed us that we could only work xtal  
> controlled stations, so I guess we have a few invalid qsos, but we  
> sure had fun.

Oh that was YOU, Bill! Did I not send "I think we only supposed to work xtal stations???" KEYWORD=THINK

I did not have the rules either... I was only answering stations signing

/X.

73 =paul= w8kc

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [11298] Re: 38 Special lives (lessons learned)  
Message-ID: <199702071531.JAA18484@multi13.netcomi.com>

Excellent summary of the mods. Thanks, Grover.

Mike K1MG

>..... So I read and reread the threads on this list to  
> make sense of some of the diverse opinions about what worked and what  
> didn't. From this came coherence and here are the lessons learned and  
> solutions applied:.....  
>  
> Grover  
> K7TP  
>  
>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: rbstalker@CCGATE.HAC.COM  
Subject: [11309] Re: 38 Special lives (lessons learned)  
Message-ID: <9701078553.AA855333202@CCGATE.HAC.COM>

It's been a tough road or at least a long one. The basic kit went together well but it soon became apparent that it suffered from many of the flaws that had been mentioned. So I read and reread the threads on this list to make sense of some of the diverse opinions about what worked and what didn't. From this came coherence and here are the lessons learned and solutions applied:

1) The chirp - I elected finally to just drop the RIT mod. That killed the chirping. Instead of an RIT I used a multi-turn 100k pot that was lying around and this will give me the resolution I need. If I regret this move later I can always put in the modified RIT circuit with the saturated transistor switches as suggested.

2) Poor sensitivity - I should have noticed this the first time around

because I've been bitten by this before: there was only one peak on TC1, a give away that the circuit was not resonant. I took two turns off the secondary of T-1 and voila, the same hot receiver people have been raving about.

3) TiCK Telemetry Tone Mod - There was some diverse opinion about this circuit. I put a 4.7K resistor from the right side of C32 (as seen in the schematic) to the right side of R19; I cut the board connection between C32 and R19 first. This allows both the receiver and the TiCK sidetone to sum at pin 6 of U5.

4) Diode biasing [note that you need to do the TiCK mod because you need U4C and U4D] - removing the 8v from the top of R1 and R2 and feeding that point instead with the inverting output from pin 5 of U4, shuts down forward bias to the diodes during transmit. Be certain that you jumper D8 which you removed during the TiCK mod. This jumper passes the R- output to U4D.

5) Direct coupling for the IRF510 - everyone should do this mod. It reduces idle current drain and helps to stabilize the final. While you're at it, stick a 560pF silver mica cap in C505. There was some suggestion that the ferrite bead should not be there so out it went.

6) Variable power output - replacing R12 with a 2K pot allows me to vary the power output from zilch to five watts.

To all those whose experiments led me to trying these mods, I thank you immensely. I'm a happy camper. The transmitter sounds good at 4 watts and the receiver hears everything my Index Labs QRP++ hears. Now on to mounting this radio in an enclosure (just as soon as I learn the size of the new digital display kit).

What a group!

.073

Grover  
K7TP

The following is an attached File item from cc:Mail. It contains information that had to be encoded to ensure successful transmission through various mail systems. To decode the file use the UUDECODE program.

----- Cut Here -----  
begin 644 rfc822.txt

M4F5C96EV960Z(&)Y(&-C;6%I;"!F<F]M(&5D96XN:&%C+F-O;0T\*1G)O;2!O  
M=VYE<BUQ<G`M;\$!,96AI9V@N1415#0I8+45N=F5L;W!E+49R;VTZ(&]W;F5R  
M+7%R<"UL0\$QE:&EG:"Y%1%4-"E)E8V5I=F5D.B!F<F]M(#\$R."XQ.#`N,2XT  
M(&)Y(\$5\$14XN2\$%#D-/32`H4\$U\$1B!6-"XS+3<@(S4X.#0I#0H@:60@/#`Q  
M248T, #(S-S!22S`P5S=&64!%1\$5.+DA!0RY#3TT^.R!4:'4L(#8@1F5B(#\$Y  
M.3<@,C\$Z-3`Z,S\$@4%-4#0I296-E:79E9#H@9G)O;2!,96AI9V@N1415("A;  
M,3(W+C`N,"XQ72D@8GD@9FED;VEI+F-C+FQE:&EG:"YE9'4@=VET:"!33510  
M(&ED#0H@/#,U,3`W+3(Y-#4X/CL@1G)I+"`W(\$9E8B`Q.3DW(#`P.COY.C`V  
M("TP-3`P#0I296-E:79E9#H@9G)O;2!N<W,R+D-#DQE:&EG:"Y%1%4@\*%LQ  
M,C@N,3@P+C\$N,C9=\*2!B>2!F:610:6DN8V,N;&5H:6=H+F5D=2!W:71H#0H@  
M15--5%`@:60@/#,U,3`W+3(P-#DV/CL@1G)I+"`W(\$9E8B`Q.3DW(#`P.COX  
M.C,X("TP-3`P#0I296-E:79E9#H@9G)O;2!N8V-N+FYE="`H;F-C;C\$N;F-C  
M;BYN970@6S(P-2XQ,SDN-S0N,ETI#0H@8GD@;G-S,BY#0RY,96AI9V@N1415  
M("X+C@N-2`X+C@N-2D@=VET:"!%4TU44"!I9"!04\$U,3DU."!F;W(-"B`\  
M<7)P+6Q`;&5H:6=H+F5D=3X[(\$9R:2P@-R!&96(@,3DY-R`P,#HT.#HS,2`M  
M,#4P,`T\*4F5C96EV960Z(&9R;VT@6S(P-2XQ,SDN-S0N,3DT72`H<`!P,3DT  
M+FYC8VXN;F5T(%LR,#4N,3,Y+C<T+C\$Y-%TI#0H@8GD@;F-C;BYN970@\*#N  
M."XS+S@N-RXS\*2!W:71H(%--5%`@:60@5D%!,#,R.34@9F]R(#QQ<G`M;\$!L  
M96AI9V@N961U/CL@5&AU+`T\*(#8@1F5B(#\$Y.3<@,C\$Z-#DZ,3D@+3`X,#`@  
M\*%!35"D-"D1A=&4Z(%1H=2P@,#8@1F5B(#\$Y.3<@,C\$Z-34Z,C`@+3`X,#`-  
M"D9R;VTZ('=Y;&1E0&YC8VXN;F5T("A'<F]V97(L(\$LW5%`I#0I3=6)J96-T  
M.B`S."!3<&5C:6%L(&QI=F5S("AL97-S;VYS(&QE87)N960I#0I396YD97(Z  
M(&]W;F5R+7%R<"UL0\$QE:&EG:"Y%1%4-"E10.B!;,W<@4&]W97(@06UA=&5U  
M<B!2861I;R!\$:7-C=7-S:6]N(#QQ<G`M;\$!,96AI9V@N1415/@T\*4F5P;'DM  
M=&Z('=Y;&1E0&YC8VXN;F5T#0I-97-S86=E+6ED.B`\=C`R,3,P-3`P868R  
M,#9A8C%D8V(Q0%LR,#4N,3,Y+C<T+C(P,ET^#0I-24U%+79E<G-I;VXZ(#\$N  
M,`T\*0V]N=&5N="UT>7!E.B!T97AT+W!L86EN.R!C:&%R<V5T/2)U<RUA<V-I  
M:2(-"D-O;G1E;G0M=`)A;G-F97(M96YC;V1I;F<Z(#="250-"E!R96-E9&5N  
M8V4Z(&)U;&L-"E@M3&ES='!R;V-E<W-O<BU697)S:6]N.B`X+C`@+2T@3&ES  
8=%!R;V-E<W-O<BAT;2D@8GD@0U)%3@T\*

end

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [11303] RE: ARRL  
Message-ID: <2.2.16.19970207155824.2dc7e004@eloi>

>The aim of the ARRL is to have all of 40m open for SSB and for  
>the elimination of CW for the license.

>

>They also want to reduce the written test more. Wind up with  
>nothing more than a few questions about regulations.

>

>This has been their plan for years.



>  
>I think the only way to fight the ARRL is to stop sending them  
>money!  
>  
>If we all sent our ARRL dues to a lawyer, we could have as much  
>influence with the FCC as the ARRL does!  
>

You been sniffing those cloud seeding chemicals again, Ron??

Bet you believe that the UN wants to take over the US also...

72, L.

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [11305] RE: ARRL  
Message-ID: <Pine.SUN.3.90.970207080150.13962E-1000000@vortex.sage.dri.edu>

On Fri, 7 Feb 1997, Larry East wrote:

> Bet you believe that the UN wants to take over the US also...

I have watched the ARRL downgrade Amateur Radio for the 43+  
years I've been licensed and it is only a complete fool that  
can't see how bad the UN is for the US!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Bob Follett" <bfollett@ditell.com>  
Subject: [11255] RE: ARRL Dues and Alternatives  
Message-ID: <199702070216.TAA07233@orion.ditell.com>

Gang:

Ron Stark wrote:

<<If we all sent our ARRL dues to a lawyer, we could have as much influence with the FCC as the ARRL does!>>

Personally, I'd rather use the ARRL dues to set up a FCC Enforcement fund that they could use rather than give the money to more lawyers. We all know the frequencies they could first target. :-)

Now, for illegal transmissions coming from South of the boarder, maybe we could fund Nils and those damn badgers...

73, Bob

-----  
Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
2861 Estates Dr. VOICE: 801.649.6457  
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [11321] Re: BB active antenna

>Hi Cecil, I guess I wasn't clear that this is an active Rx antenna, and  
>all the gain is in the electronics. (The center loaded dipole was a  
>different question) 73, Steve, KD1JV

Hi Steve, what wasn't clear was my head. I thought we were talking about a center loaded dipole of some sort. Sorry I misunderstood.

Incidentally, I've added an interesting 40m delta loop to my web page. I think it's a good backpacking antenna if camping among tall trees since it only requires about 10 ft of coax and no tuner. It's at:

<http://people.delphi.com/CecilMoore>

73, Cecil, W6RCA, OOTC

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: kd1jv@juno.com (Steven Weber)  
Subject: [11315] Re: BB active antenna (center loaded dipole?)  
Message-ID: <19970207.125354.4863.0.KD1JV@juno.com>

>Hi Steve, beware of any claims over about 18dBi. 26dB is 400 times  
>whatever it is compared to. Is that 26dB better than a dummy load?

>IMO, one can dismiss such a claim as nonsense without a second  
>thought.

Hi Cecil, I guess I wasn't clear that this is an active Rx antenna, and all the gain is in the electronics. (The center loaded dipole was a different question) Since a short diople has a high impedance, it uses some jfet buffers to match the dipole to a 250 Mhz differential input op amp, which devleops all the gain. Lifting the thing over my head makes quite a diffrence in signal strength as opposed to having it three feet off the ground. So, I suspect that once I put it on the roof, it will perform as well as a resonant dipole. Once I get it up there, then I can do some A/B tests and find out for sure. But the quick tests I have done seems to indicate it should let me "hear" better.

As you might suspect, it is fairly directional (at least on 40 M) so a rotor is going to be needed. Although I'm thinking of having two dioples at right angles and a relay to switch between them.

Now what to do for a Tx antenna?

73, Steve, KD1JV

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [11276] Re: center loaded dipole?

From: kd1jv@juno.com (Steven Weber)  
>the "Ideas for Design" section. By using two 6 foot Al. poles, it's  
>claimed to cover 100 Khz to 40 Mhz with up to 26 dB of gain,...

Hi Steve, beware of any claims over about 18dBi. 26dB is 400 times whatever it is compared to. Is that 26dB better than a dummy load? IMO, one can dismiss such a claim as nonsense without a second thought.

73, Cecil, W6RCA, OOTC

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: john andrews <jm165723@eee.org>  
Subject: [11282] Re: Construction Tips Please...  
Message-ID: <32FAD9E5.6448@eee.org>

Hi John:

Have enjoyed reading your questions over the past months. You ask good ones.

I don't think I ever had an original idea. Ever. Smart guys who frequent this list keep me in ideas.

A few ideas I've "stolen" have worked well for me in the building area.

1. On chassis layout: for proper pc board fit, labels etc. here are a few ideas.
  - a. Use a 2.5 or number 3 soft lead pencil with a ruler to line up your work. Make a soft impression by writing softly on a pad first to take the sharp edge off the pencil. Then mark the places you wish to drill holes.
  - b. Use a ice-pick to make a dimple in the place for phones, key, whatever. Check to see if it aligns with the straight line.
  - c. Drill a pilot hole with the smallest drill bit you have. Alignment ok?
  - d. If all ok, proceed. If not, make another hole 1/4 inch away from the "goof". The best investment I ever made was a multi-step drill bit called "Uni-bit". It "steps" from 1/8 to 1/2 inch. Amidon(the ferrite core folks) handled these at one time. Black & Decker, I think, also sells them.

If you need to make square holes, a well-worn thread was presented on the Radio Shack metal nibbler. Look in the latest catalog.

Making labels:

1. The local stationary store has press-on letters. Look \*hard\* around the store for other ideas. They even have a fancy machine for labels that is pretty good but somewhat expensive. Yep...Even the old(yuk) Dymo labelmaker.
2. Make a panel 'cover' in Windows Paint or other program. Use a cut and paste method with a copier. Whatever works. Use the sticky laminate stuff(clear) to cover the paper.

One other thing you might keep in mind....Wes Hayward, W7ZOI, is a genius and has some of the soundest concepts in radio design I've ever seen. He also makes the term "ugly construction" come alive. Horrible to look at, yet one of the most prolific authors in the world.

Make it happen!

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [11248] Re: DAN'S SMALL PARTS EMAIL?  
Message-ID: <199702070113.UAA21867@mail3.voicenet.com>

At 05:14 PM 2/6/97 -0400, you wrote:

>  
>Hi folks,  
>  
>Does anyone know Dan's (of Dan's Small Parts) email address ??  
>  
>I didn't see one on the web site, but I would think he'd have one.  
>  
>I have a question concerning a recent order.  
>

Chuck,

I spoke with Danny via the phone a couple of weeks back and asked about e-mail. He responded that while the web page was great for advertising and letting everybody know what he had, he feels that e-mail would take up too much of his time!

72/73,

Joe E., N2CX

>From Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Floyd Soo, W8RO" <hires@rust.net>  
Subject: [11278] Re: DAN'S SMALL PARTS EMAIL?  
Message-ID: <32FAEDBB.765A@rust.net>

chuck.olson@sbaonline.gov wrote:

>  
> Hi folks,  
>  
> Does anyone know Dan's (of Dan's Small Parts) email address ??

>  
> I didn't see one on the web site, but I would think he'd have one.  
>  
> I have a question concerning a recent order.  
>  
> Thanks and Best Regards,  
>  
> Chuck Olson, WB9KZY  
> Jackson Harbor Press  
> Washington Island, WI

Chuck,

I e-mailed the webmaster and was told that Dan's does not have an e-mail address!!

--

Floyd Soo, W8RO  
President, HI-RES Communications, Inc.  
Net Manager and Board Member, Collins Collectors Association  
QRP-L #392  
hires@rust.net  
<http://www.rust.net/~hires>

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "William R. Colbert" <V31XE@dzn.com>  
Subject: [11256] Re: digital bandplan questions  
Message-ID: <32FA84DB.2676@dzn.com>

ATTN: Correspondence Editor. The following letter is being written today

6 February 1997, after an incident as described below. Portions of

this were also posted to the QRP-l internet mail list. However, due to the nature of the subject, I feel that a wider publication may be justified. Thank you.

>  
> There has been a running discussion on the qrp-l list in recent times  
> concerning the digital encroachment (much with the support of ARRL and  
> other national organizations) to the part of the spectrum used by qrp  
> operators. Most of our operations have been in the 7.040 Mhz area of  
> 40 meters. Until recently, most QRP operation in this area has been  
> possible, although it is becoming more difficult. Even with the Hispanic  
> ssb stations that frequent the same few Khz. Since most of the rest  
> of the qrp world (Asia, Australia/New Zealand, and Europe) are already using

> 7.030 Khz as a calling/working frequency, I have started doing some of my  
> operating there. Well, so much for any planned QRP operations in this  
> range, either.  
> I had a most unpleasant run-in this morning with one of  
> the digital stations; I was accused by this operator of qrm'ing his qro  
> pactor signal with my 2 watts. (did not hear him until I had made a  
> comment about being glad the digital had stopped.) This station is  
> none other than K6STI - Brian Beezely, author of many articles for QST, CQ  
> and other amateur publications, including amateur related software.  
> He also sells software promoting items he has written about.  
> I have been somewhat interested before, but after hearing his deliberate  
> efforts to subvert the cw spectrum to his digital stuff, in clear defiance  
> of the existing band plans and gentlemen's agreements, I will never even  
> consider reading any of his information in the future, much less buying  
> any of his products. As I listen to the frequency (7.030)  
> he has gone from Pactor to RTTY, and what sounds like SSTV is now  
> starting up. I do not know if the one station is responsible for all of  
> these modes. The signal strength appears similar.  
> In making his comments to me, he moved right onto another qso, totally  
> distupting that qso, without so much as a qrl?. This is certainly no way  
> for an author and designer of amateur products to operate.  
> -  
--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [11301] RE: FBYO  
Message-ID: <2.2.16.19970207154325.3f5703e0@eloi>

> -----  
> FYBO Winter Safety Tips  
> -----  
>  
> KNOW YOUR LIMITS!  
>  
>- Cardinal Rule of Surviving in the Cold: Stay Dry!  
>Bring good wool and/or synthetic blend clothes. Cotton  
>is often Enemy #1 in a cold, wet survival situation.  
>

Even better -- STAY HOME!!

While all you idio... sorry, "hardy folks"... are FBYO I'll be home in front of a nice cozy fire listening for you.

72, L.

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11308] Re: For Sale: Rig and Keyer  
Message-ID: <199702071628.JAA19733@usr09.primenet.com>

Howdy All,

Thanks. The ol' rig and keyer have found a good home.  
I may even have visitation rights. ;-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: aa1rb@juno.com (James Cadorette)  
Subject: [11285] Re:Franks 5 Watt Amp  
Message-ID: <19961229.212207.5343.0.AA1RB@juno.com>

Does anyone know where Frank put his 5 watt amp schematic at his webb site?

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Chris Cartwright <ccart@vidtel.com>  
Subject: [11296] Re: FYBO on our camping weekend!  
Message-ID: <Pine.LNX.3.93.970207093352.552C-100000@dns.vidtel.com>

On Thu, 6 Feb 1997, ED WELCH wrote:

> The rig will be a NorCal 40a. I'm in the midst of trying to figure out  
> whether to tune it to the Novice/Tech+ band or the General band. Any  
> input here?



Well being an N/T, I vote for 7.100-7.150!! Plus we're worth more points.  
I'll be here in MD on my "dirt tower" with the OHR II at 950mW, and a  
dipole. Hey, I need all the mults I can get :) See you there...

|                                           |  |                                                                         |
|-------------------------------------------|--|-------------------------------------------------------------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ccart@vidtel.com                                                        |
| -- Phone 301.990.0735 N3XRV QRP-L #655    |  | ccart@erols.com                                                         |
| --                                        |  | <a href="http://dns.vidtel.com/~ccart">http://dns.vidtel.com/~ccart</a> |

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: George Jay Doster <doster@umr.edu>  
Subject: [11339] Re: FYBO Operating Tips  
Message-ID: <199702072259.QAA06663@sunny.physics.umr.edu>

Just to add my voice.

As of right now I plan to operate the FYBO contest, at least to some  
extent. Should be a lot of fun! I'll work both 40 and 80. If I get my 49er  
here and built by then I'll try it out too!!

So here is one vote for a N/T+. See you on the bands.

Jay

NOPMY Doolittle, MO

>  
>  
> Christopher (N3XRV) wrote:  
>  
> > On Thu, 6 Feb 1997, ED WELCH wrote:  
> > >  
> > > The rig will be a NorCal 40a. I'm in the midst of trying to figure out  
> > > whether to tune it to the Novice/Tech+ band or the General band. Any  
> > > input here?  
> >  
> > Well being an N/T, I vote for 7.100-7.150!! Plus we're worth more points.  
>  
> Christopher brings up a good reminder which should  
> make you ponder your FYBO plan of operation. \*Any\*

> QSO in the Novice segment of the band is worth at  
> least double the points, 5x the points if you catch  
> an actual N/T.  
>  
> If you're going to operate FYB0, plan to spend a good  
> amount of time in the Novice segments of 15/40/80m!  
> This isn't meant to punish those who may be rock-bound  
> to the General freqs. Lots of folks will hop back and  
> forth, so everyone will have plenty of QSOs. But since  
> you can only work a station once per band, it makes  
> sense to work as many of them in the Novice segment as  
> possible, where they're worth 2x the points (at least).  
>  
> Now the big question - how many N/T's are we going to  
> be able to get on the air for this little jaunt? If  
> you know one, start applying peer pressure now! Only  
> two weeks to go. This is their contest! There's even  
> an award for "Worked Most N/Ts" with its own prize.  
> It ain't ever going to get better than this, folks!  
> Find a N/T, get 'em behind a rig and on the air!!!  
>  
> Cheers de AB7TT (ex-KC7NEV),  
>  
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)  
>  
> PS- If you're a N/T planning on operating FYB0 - let  
> us all know who you are! Get that callsign out there  
> and whip up a feeding frenzy! :-)  
>  
>

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11337] Re: FYB0/Novice/Techs/suggestion  
Message-ID: <199702072156.0AA24007@usr07.primenet.com>

Howdy Jay,

> We will call CQ FYB0 de W5BI from high (Yes, we are one of those  
> idoi.... that W1HUE had referred to). ;-)

I think Larry's going to like handing out his nice toasty  
80F in the exchange. Kind of like watching speedskiers  
wiping out from the comfort of your living room. :-)

> Let's see, "Mr. Fusion" is packed (new from Ronco), and signal flares,  
> signal mirrors, 5K BTU portable heaters, GPS. Gee, what more do we need ? ;-)  
Good grief! I see you're all ready for the impending alien  
comet strike. :-)

> Ever try to boil water @ 10+ K feet asl ?

Sure, it's *\*very\** easy. As long as you aren't actually  
trying to *\*cook\** something, life is a cinch at 10K feet.  
Hee hee.

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: dwink@juno.com (Daniel C Winkler)  
Subject: [11262] Re: FYBO: Winter Safety  
Message-ID: <19970206.190854.2111.10.DWink@juno.com>

NO NO NO

*\*NO\** candles or other open flames (stoves) in closed spaces- cars or  
tents. Every year there are several deaths from carbon monoxide poisoning  
among those who fail to heed this rule. Friends-- don't DO this.  
It is about on a par with trying to breathe plastic baggies. It can KILL you.  
Dead.

Carbon monoxide has 200 times the affinity for hemoglobin that  
oxygen does. It "fits" the hemoglobin molecule much, much better.  
If you are breathing air, the half life of carbon-monoxy-hemoglobin in  
your blood is on the order of 8 hours. You can't get rid of carbon monoxide  
very quickly. As it ties up the hemoglobin and decreases the  
oxygen carrying capacity of your blood, your brain becomes hypoxic (not  
enough O2). You won't even notice as you get stupider and stupider,  
and finally drift off (permanently) to sleep.

Daniel C. Winkler M. D. (and N7IVR)  
Anesthesiologist,  
Physicians Anesthesia Service, Inc, PS  
The Swedish Hospital and Medical Center  
Seattle, WA

On Thu, 6 Feb 1997 13:11:32 -0600 (CST) "Brian.Buydens@usask.ca"

>> -----  
>> FYBO Winter Safety Tips  
>> -----

>[snip]

>If you are travelling in the cold by car it is a good idea  
>to carry along candles (and a way to light them--don't depend  
>the car's cigarette lighter...) Candles can generate enough  
>heat in a car to keep you from freezing (note I did not say  
>keep you warm ;-)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: WA8GHZ /5 Jack Dougherty /Houston <jdougher@wt.net>  
Subject: [11306] Re: FYBO: Winter Safety-Texas Style  
Message-ID: <32FB701F.3C7A@wt.net>

And I'd add some FYBO Safety Tips for down here in "5-Land":

1. Bring Lifevest and floatable chair cushions for spring rain showers  
common at this time of year. Place rig in life-raft just  
in case.
2. Wear high-top sneakers to give the copperheads something to chew  
on  
other than your ankle and/or antenna feed.
3. Dial up your portable hot tub's temp control to High to make sure  
your crawdads are well done and safe to eat.
4. Mark power cord to your tent's air-conditioner with safetytape to  
prevent tripping hazard.
5. If not item 4 above, bring plenty of salt tablets to replace loss  
due to sweat.
6. Wear plenty of sunscreen and erect a shade screen over operator  
position (this can improve score some too).
7. Wear non-slip shoes to avoid slipping on armadillo droppings.

Events like this remind me why I moved from "8" and "0" districts. See  
y'all see you on the air.....

--  
WA8GHZ /5 / === === o === o === o o === === o

Jack        /Houston   /   "I know the guy who built my radio"

From owner-qrp-1@Lehigh.EDU   Fri Feb   7 18:02:02 1997  
From: David.Reid@asml.nl (David Reid)  
Subject: [11294] re: If you need a Dutch QSL card??  
Message-ID: <199702071347.0AA00462@wspub002.asml.nl>

I will also be QRV for this contest - CW only Just below QRP freqs  
i.e. 28.055, 21.055, 14.055, 7.025, 3.555

73s es hope to work you...

PS worked W8EBG in Mich on 30M last night - nice signal...  
Heard W2SF in NY and quite a few others - time was abt 21:00 GMT

with a Vertical multiband antenna elevated to 5M AGL.

Dave  
PA3HBB es G0BZF  
GQRP 3677.

From owner-qrp-1@Lehigh.EDU   Fri Feb   7 18:02:02 1997  
From: Dave Sjolín <sjolin@swbell.net>  
Subject: [11279] Re: Just because...  
Message-ID: <32FAD41F.3388@swbell.net>

ED WELCH wrote:

>  
> Hmmm, the "DX stations are prohibited by local regulations from using  
> digital modes higher in the band..." Sounds like the DX stations are  
> good amateurs that follow regulations. Apparently you haven't broken  
> any regulations by dropping low in the band, but what about the  
> "gentlemen's agreement "....or is this another area of ham radio  
> that's going to hell in a handbasket? I'm not against any of the  
> digital modes, CW is one, but my previous question is on my mind in  
> regards as to what's going on with ham radio here in the USofA.

Ed, ARRL lists 7040 as frequency for International RTTY DX as well as  
for qrp. Every receiver has a tuning knob on it. If the frequency is in  
use (cw or RTTY) we should move to another frequency. There is no excuse  
for interfering with an ongoing qso. I thought qrpers were better than  
that.

> I know nothing about the qrm caused by W5XE, kinda hard to see how a

> qrp station could cause qrm to a RTTY station, but I'll state now that  
> there's a lot of things that I don't know. But what I do know is what  
> Mr. Beezley has stated in his posting....that he voluntarily came into  
> the CW sub-band, though not against regulations....but still, against > a  
gentleman's agreement.

I work qrp stations all the time that are 579 or better. Dx from Europe or Africa is not going to be very strong in California --maybe 549. For many californians its a big deal to work Europe.

Also remember that if the interference is within the rtty station's passband, then it is going to clobber the print even if it is just one db stronger than the desired signal. Its not like listening to cw and using the filter between your hears. In any event, there is no rationale for qrmng a qso in progress. Pactor like other digital modes is legal on all amateur frequencies including the "cw bands." Qrmng someone is only likely to make them less concerned about who they interfere with themselves. An unhealthy situation.

> Care to share ARRL's view of this Mr. Stafford?

Again, ARRL lists 7040 as international RTTY DX frequency. That means working dx there if its available and the frequency is not in use.

Ed, I suggest you avoid forty meters this weekend as you are almost guaranteed to be frustrated. There is a major world wide rtty dx contest this weekend. In addition, below 7040, the pileups from ZY0 dpxpedition will probably extend up to 7035. If I were you I would try 30 or 80 meters. Or maybe start that 38 special.

73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [11265] Re: MICA Cap markings....  
Message-ID: <199702070348.WAA18210@mail3.voicenet.com>

At 02:01 AM 2/7/97, you wrote:

<SNIP>

>After pondering for a while I got out the trusty MFJ 259  
>and a 50 ohm resister and the 4.7 uh choke from the  
>NC38S kit and went to work measuring some of the caps  
>as per the instructions in the back of the manual...

>Since I was really testing for orders of magnitude, there  
>was not accuracy problem...  
>

<SNIP>

>As usual you learn something on these little projects....Like how really  
>nice the MFJ 259 is for things other than antenna work...  
>And how useful it is to have a bunch of little computer programs for  
calculating things like  
>Capacitance value to resonate with a give Inductance value, resonate frequency  
>of a given cap and coil etc etc etc.....  
>  
>Now I'll be able to measure those little coil blobs with no markings....  
>  
>  
Larry,

If you had an Autek RF-1, you wouldn't need the computer! It reads  
impedance, inductance  
and capacitance \*directly\* and, of course it also reads SWR, all with  
digital precision,  
if not accuracy!

Sorry I couldn't help putting in a plug for this handy little gadget. It's  
like a bench full  
of RF test equipment in the palm of your hand.

In truth either device is very useful for identifying components. Thanks to  
Larry for  
reminding our recent newcomers about their utility.

BTW, I have the use of either one and generally reach for the Autek.

Usual disclaimers apply.

72/73,

Joe E., N2CX

>From Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Dan Tayloe-P26412" <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [11318] Re: ne602 source  
Message-ID: <M29290197.006.8um55.1.970207174434Z.CC-MAIL\*/OU=SATCG/OU=AZBH/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Try DC Electronics.

\$2.50 each. I usually use 3 to 4 of them in a QRP xcvr.

1-800-467-7736 or 1-800-423-0070

They are local for me, so I am there often... I build a lot!

They are good people to do business with.

- Dan Tayloe, KK7BD, Phoenix, Az; QRP1 # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Ed Manuel" <n5em-qrp@msn.com>  
Subject: [11324] RE: ne602 source  
Message-ID: <UPMAIL06.199702071955540467@msn.com>

Dan's Small Parts still shows them in his regular catalog.

NE602AN \$2.75 each / 3 for \$4.50.

Ed, N5EM

-----  
From: owner-qrp-1@Lehigh.EDU on behalf of Dan Tayloe-P26412  
Sent: Friday, February 07, 1997 10:40 AM  
Subject: Re: ne602 source

Try DC Electronics.

\$2.50 each. I usually use 3 to 4 of them in a QRP xcvr.

1-800-467-7736 or 1-800-423-0070

They are local for me, so I am there often... I build a lot!

They are good people to do business with.



- Dan Tayloe, KK7BD, Phoenix, Az; QRP1 # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "\"W. Kimura\"." <W.Kimura@valley.net>  
Subject: [11266] Re: new freq allocations  
Message-ID: <199702070350.WAA29284@dartvax.dartmouth.edu>

Steve, you've got my vote if the FCC would not require type acceptance of HB rigs. In other words that we could still build our own stuff.

At 05:57 PM 2/6/97 PST, you wrote:

>Okay, heres one of my radical posts again.

>

>I say get rid of the tests all together! If someone wants to get on the  
>air, all they would have to do is send the FCC 20 bucks to get a call  
>sign and agree to abide by the rules. Now Ham radio would be just like  
>any other hobby. You would just need an interest in it and the money to  
>buy equipment. No different than knitting, model air planes, wood  
>working, drag racing, scuba diving, etc....

>

etc...

Kim Kimura, N1MVU

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: jayboy@psnw.com (Jay & Jackie)  
Subject: [11243] Re: New Sierra production unit testing completed  
Message-ID: <199702070027.QAA10268@sierra.psnw.com>

At 09:20 AM 2/6/97 -0800, L.Svec,W.Burdick wrote:

>The new Sierra looks and works great. Bob Dyer at Wilderness built the  
>first unit and I tested it yesterday. Stock, power output is 4 watts on 80  
>meters with a 14V supply, and at a PA efficiency of 70%.

>

>Bob tells me that he will start shipping the Sierras today or tomorrow.

>

>73,

>Wayne

>  
>All Right!! My KC-2's been waiting for a home. Thanks for letting us know Wayne.

73 Jay, W6JDB

>  
>  
>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Russ <n5ejs@popalex1.linknet.net>  
Subject: Propagation tools

If you have Win 95 running and like to see what the propagation is like on 20 thru 10 meters, then you might want to check the message below out. A very handy tool for the NCDXF beacon system. Might not be too useful for 10 meters at the present time, but hopefully that will change in the near future.

73 de N5EJS, Russ #1525

-----  
From: "Stan Huntting" <stan@mutadv.com>  
Subject: [DX] BeaconClock, FREEWARE for DXers  
From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: lhalliday@creo.bc.ca (laura halliday)  
Subject: [11247] Re: qrp rtty/Pactor "and CW"  
Message-ID: <199702070058.QAA14368@BC.net>

W2GUM wrote:

> LETS NOT CRAP UP THE BAND WITH QRP DIGITAL TRANSMISSIONS

> It is bad enough now with all that junk cluttering up the  
> band let alone the QRP nets and related activites.

What do you mean, "junk"? Are you suggesting that digital modes are less appropriate to ham bands than CW (which is itself a digital mode)?

The notion that one band/mode is somehow "better" than another offends me. Digital modes are particularly suited to minimum power communication, and can operate at \*very\* low signal-to-noise ratios (though real digital folks use terms like Eb/No).

It seems to me that since the spectral characteristics of HF packet and CW are very different, it shouldn't be difficult to pry them apart with DSP, even if they're right on top of each other. Sort of like an inverted heterodyne filter. But that's that nasty digital stuff again...

|                       |                                     |
|-----------------------|-------------------------------------|
| Laura Halliday VE7LDH | "C'est une femme mutine, assez      |
| lhalliday@creo.com    | elegante, grave et legere, ayant le |
| ve7ldh@amsat.org      | sens du confort et du plaisir       |
| Locator: CN89mg       | en tout." - C. Deneuve              |

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [11249] Re: qrp rtty/Pactor "and CW"  
Message-ID: <32FA8327.16B9@rakefet.com>

laura halliday wrote:

> It seems to me that since the spectral characteristics of  
> HF packet and CW are very different, it shouldn't be difficult  
> to pry them apart with DSP, even if they're right on top of  
> each other. Sort of like an inverted heterodyne filter.

I'd certainly like to be a beta test site for the 'pryer-aparter'! I know that just a narrow filter doesn't seem to help so much. While you're at it, I'd like to pry the SSB out of there, too (especially the Spanish-language SSB that's so prevalent on the CW bands these days)...

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [11250] Re: qrp rtty/Pactor "and CW"  
Message-ID: <19970206.203655.4679.0.wb2vuo@juno.com>

>From: lhalliday@creo.bc.ca (laura halliday)  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: qrp rtty/Pactor "and CW"  
>Date: Thu, 6 Feb 1997 16:58:49 -0800 (PST)

>W2GUM wrote:

>> LETS NOT CRAP UP THE BAND WITH QRP DIGITAL TRANSMISSIONS

>> It is bad enough now with all that junk cluttering up the  
>> band let alone the QRP nets and related activites.

>What do you mean, "junk"? Are you suggesting that digital modes  
>are less appropriate to ham bands than CW (which is itself a  
>digital mode)?

>The notion that one band/mode is somehow "better" than another  
>offends me. Digital modes are particularly suited to minimum  
>power communication, and can operate at \*very\* low signal-to-  
>noise ratios (though real digital folks use terms like Eb/No).

-----<snip>-----

>Laura Halliday VE7LDH

I am not only fully in agreement with Laura's view, but willing to take  
it a step further.

QRP is a MINDSET, --NOT-- a MODE...

If you run 5 watts on 2 M FM because you don't need 50 to make the path  
on simplex, or work the local repeater, it's QRP...

If your packet PBBS runs a watt, and gets into the node fine, it's QRP...

If you can work the Phone Sweeps in November, get your participation pin  
(maybe even a Clean Sweep [I wish...]) and use 5 watts PEP, it's QRP...

If you fire up on PACTOR with 3 watts from your KenwoodIcomYahoooy  
Loundenblaster 2000 cranked back to that level, it's QRP...

QRP is NOT CW only, and I like CW, and will admit that CW gets through at  
times when no other mode does, but if you are maintaining a QRP  
philosophy, regardless of mode, it's STILL QRP...

Run your QRP, run your mode(s) but DON'T tromp on someone's exposed  
anatomy because they aren't running PURE QRP that isn't A1a mode.

W20Y used to call "CQ 75, No Lids, Kids or Space Kadets...A1 Ops ONLY..."  
He must have been a "nice" guy off the air also. When he croaked up on  
his tower, his neighbors left him hanging from the saftey belt, and let  
his wife find him that evening. We have nice people on the list, all  
neighbors thru the keys. Work at getting along and your neighbors will  
help you when the time comes, not leave you hanging...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),

ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group  
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [11293] Re: QRPp First Class Mail  
Message-ID: <199702071415.HAA11168@dancris.com>

At 08:17 AM 2/6/97 -0800, you wrote:

>Look on your mailing label, and we are asking  
>you to send us the following amount to help cover the costs that will be  
>incurred by the change to first class mail, which will start with the Spring  
>issue.

>  
>        If your Expiration Date Is        Please Send  
>            Mar. 97                        \$1  
>            June 97                        \$2  
>            Sept. 97                        \$3  
>            Dec. 97                        \$4  
>            Mar. 98                        \$5  
>            June 98                        \$6  
>            Sept. 98                        \$7  
>            Dec. 98                        \$8  
>            Mar. 99                        \$9  
>  
>

Sounds reasonable to me. Do we send this to you or to Jim?

73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>  
Subject: [11290] RE: Raymond Anderson's Email  
Message-ID: <60D0F92656@dental3.ab.umd.edu>

Gang -

Would appreciate it if someone could give me Ray's email address  
for the QRP Quarterly. The one I have keeps bouncing back :

<Raymond.anderson@eng.sun.com>

Thanks.

John N3REY

Always QRP!

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: "Steve, N2MNN" <n2mnn@openix.com>

Subject: [11245] RE: Requests for QRP-ARCI Logo file

Message-ID: <199702070056.TAA16192@pantera.openix.com>

For the color QRP-ARCI contest certificates that I've been making for Cam, I have been using a 500 Kbyte high resolution BMP file of the QRP-ARCI logo that I drew by tracing over the one from the ARRL (it took a long time!). The good news is that it compresses down to a self expanding EXE that is only 30 Kbytes. I will e-mail it to anyone who wants it, as long as they can accept a MIME attachment. If you can't and still want it, send me an SASE 3.5" floppy disk mailer and I'll send you a disk with the file on it. Don't bother to send me a disk as I've got a million of them here to get rid of.

The only QRP club logo that I don't have on my QSL card is NorCal because I haven't located a good rendition. I've asked before here and no one seems to have one. I think it would be good if every QRP club that has a web page would have a button selection to download a hi rez file of their logo. It would make it a lot easier for members to show their affiliation on their QSL cards, and would be good publicity for the clubs.

Steve, N2MNN

n2mnn@openix.com

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: tayloe\_d@juno.com (Daniel R Tayloe)

Subject: [11331] Re: Sprint Results and AA battery Packs

Message-ID: <19970207.140101.7719.1.tayloe\_d@juno.com>

On Fri, 7 Feb 1997 11:25:41 -0800 faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604) writes:

>

>How did you put together your AA pack? Solder, or battery holders?

>73, doug

>

Doug:

I used an 8 cell AA and a two cell AA holder from Radio Shack. I used new AA Alkaline batteries (Ray-O-Vac). I wanted to start with 15v instead of 12v because I was expecting voltage droop.

I don't think the holders were contributing to the voltage slumps. The holders seemed pretty tight. But with the 5w I initially tried, the affect on even the no-load voltage (12 ma current drain) was noticeable. I guess the bottom line is that alkalines are not great for high current, pulsed applications. They probably would have been good for 1w, but Az is awful far from a lot of places for only one lousy watt (I am conveniently forgetting my first contact of the Sprint evening: W3TS in PA who was running 1w on 80m. Az to PA on 1w!!!).

If I wanted to run only one watt, I would be doing like everyone else.... use a lithium 9v batteries. The ultimate in lightweight!

Using 5w, a 4AH gellcell and my ultra light 80 Sprint rig , I felt like a true QRP leviathan in the Sprint!

I noticed on the Duracell home page that their AA alkaline battery is rated 2.8 AH, which seems pretty respectable.

I guess the next shot, I may try the new AA lithiums I see in the stores now. \$4.12 for a two pack. About \$22 for the same 15v stack. Ouch!

Oh well..... I had a blast anyway!

- Dan Tayloe, KK7BD, Phoenix, AZ, QRPL # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)  
Subject: [11332] Re: Sprint Results and AA battery Packs  
Message-ID: <199702072122.NAA04544@netcom19.netcom.com>

Given the info presented by the ARRL lab folks in QEX, I mistrust those battery holders. I'm going to do some work with this, RSN.  
73, doug

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997

From: "Dean T. Miller" <dtmiller@dsminet.com>  
Subject: [11272] Re: Test equipment  
Message-ID: <9702070517.AA17089@dsminet.com>

Hi All,

At 10:48 PM 2/6/97 GMT, Marty Watt wrote:

>  
>What test equipment should be considered normal for the beginning  
>builder?  
>  
>I have a digital multimeter (Amps/Ohms/Volts), but no way of looking  
>at project output (i.e., no scope), and no way of measuring  
>inductance/capacitance. Are these things important?

FWIW, the Radio Shack 'Scope Probe is on sale (according to the flyer I received today) for \$80. For those who haven't heard, the probe is a digital sampling oscilloscope which samples at 20 MHz, so has a bandwidth of about 5 MHz. There's a tiny LCD screen on the probe and comes with software and cable to attach to a (MSDOS/Windows) PC for larger display, automatic measurements and waveform storage.

IMO, a scope of some kind is second only to a DMM in importance. Of course, a 100+ MHz scope is best, but any scope is better than none.<g>

[Standard disclaimer on the ad]

Dean -- from Des Moines (KB0ZDF)

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Chris Cartwright <ccart@vidtel.com>  
Subject: [11302] Re: Test equipment projects  
Message-ID: <Pine.LNX.3.93.970207105221.552F-100000@dns.vidtel.com>

On Fri, 7 Feb 1997, Mike McShan wrote:

> capacitance adaptor and an inductance adaptor for my digital VOM. Both  
> kits are very easy to build, are inexpensive (both less than \$15), and best  
> <snip>  
> BTW, these kits are based upon articles that appeared in either Nov. or  
> Dec. 96 Popular Electronics.

These are in the Nov 96 issue, pages 47 & 50. Gonna have to find a copy of that...



-- Christopher Cartwright, Tech. Engineer | ccart@vidtel.com  
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com  
-- | <http://dns.vidtel.com/~ccart>

From owner-qrp-1@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [11320] Re: what is status of 38s digital readout??????? (kinda long)  
Message-ID: <199702071912.NAA19914@multi13.netcomi.com>

For all those who have been wondering about the digital readout, here is a progress update.

The first prototype is working fine and has been connected to my 38 Special. I demonstrated the pair at the last NorCal meeting. Pictures should be available on the NorCal web page shortly.

I am currently working on the PC board layout for the large version, and hope to have that finished in a few days. When that is done, I will send off for the first quick-turn boards. These will go to a few beta testers who will help check out the board and manual. At the same time, I will publish the mechanical details so people can plan for mounting in their radio.

I also hope to follow that with a smaller version. This will be a semi-kit, built using a combination of surface-mount and through-hole technology. All the surface-mount components will be pre-assembled on the board; all you need to do is add the few through-hole components. This kit may be a few dollars more, but should be one of the easiest kits ever to build and get working. It also fills the need for a display which fits into almost any radio.

Thanks for all the interest and encouragement!

Specifications follow.

Mike K1MG

The K1MG Digital Clock/Counter

(gotta find a better name!)

The Digital Clock/Counter is designed as a convenient

addition to commercial and home-brew radios which lack an accurate digital display of operating frequency. It counts the VFO frequency, adjusts it for mixing offsets and displays the operating frequency with 100 Hz resolution. The four-digit LCD display is used in conjunction with a "MHz" shift button to show six digits of frequency up to 32 MHz. For example, 10.116400 MHz appears normally as 116.4 kHz. Pushing the "MHz" button shifts the readout to show 10.11 MHz.

An extra feature is the built-in 24-hour UTC clock. An external 6 volt lithium battery keeps the clock on time even when the radio is turned off.

The internal microprocessor runs with an extremely low frequency oscillator to virtually eliminate RF interference, and reduce power consumption.

Four pushbuttons provide a very simple way to access all the features of the Clock/Counter. Push one button to show the time. Push another to display Megahertz (make sure you're on the correct band!). Two more buttons make it easy to program any of the 31 frequency offsets or set the UTC clock to the correct time.

Specifications (subject to change without notice):

Display: four digit LCD

Functions:

- Frequency count, 100 Hz resolution

- Frequency count, 10 kHz resolution

- 24 hour clock

Controls:

- four pushbuttons

  - "UP" -- increase the displayed value

  - "DOWN" -- decrease the displayed value

  - "MHz" -- shift the frequency display to show MHz with 10 kHz resolution

  - "CLOCK" -- show 24 hour clock

Frequency coverage: up to 32 MHz

Sensitivity: better than 70 mV RMS

Inputs:

- RF input, AC coupled, 1K ohms plus 15 pF.

- Offset select, (pull to ground) five wires used in binary combination to select one of

31 programmed offsets or no offset.  
Power, 8 to 18 volts at 5 mA. Can be modified for  
5 volts regulated at 2 mA.  
Battery backup, optional 6 volt battery supply  
for clock, xx uA.  
Construction: single PC board. Mounts 1/4 inch behind  
panel.  
Programmable offsets: Thirty one different offsets can  
be programmed into the displayed counter value,  
selectable by binary input.  
In addition, the frequency can be either added  
to or subtracted from the offset.  
Offset settings are automatically saved in non-  
volatile memory.  
Internal clock: 32768 Hz internal crystal oscillator,  
low RF noise

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Matt <cnw@HiWAAY.net>  
Subject: [11240] Re: Young Ham with us  
Message-ID: <32FAD44B.5EE0@HiWAAY.net>

Bob Follett wrote:

>  
> Gang:  
>  
> <<My name is Matt. My age is 16 years old. My call is AE4JM. I am  
> just now getting on the internet and getting an email address. So I  
> just subscribed to QRP-L last night >>  
>  
> Hey, look at that! someone joining our ranks under the age of 40!!  
>  
> Welcome aboard, Matt. I am sure we will all try our darndest to keep you happy  
> here.  
>  
> 73, Bob  
> -----  
> Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
> 2861 Estates Dr. VOICE: 801.649.6457  
> Park City, UT 84060 E-mail: bfollett@ditell.com

Hey Bob,

Nice to hear from you. Yes I am very happy to be on the QRP-L and  
the internet. I think that we might of stirred up something when you  
made the comment about hey look there is someone on here under the age

of 40. Hee Hee! I think that their were a few responses their from hams that sounded like they maybe a little bit agitated. Well I know you didn't mean anything by it, but maybe they didn't know that. Well anyway  
Bob it is very nice to hear from you. What kits have you completed or working on? I bet you got the 38 Special. Hee Hee! Well Bob, please if you send me an email message send it to me as if you send it to me, but then to the Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU> under the Cc: I might not get it. I recently enabled the daily digest feature and I am not getting all of the messages, so just backspace the want everyone to see the message. Maybe I will get all of the messages today.  
Best 72 DE Matt, AE4JM  
AE4JM@K4BFT.#HSV.AL.USA.NA  
cnw@HiWAAAY.net  
Keep in touch!!!

From owner-qrp-l@Lehigh.EDU Fri Feb 7 18:02:02 1997  
From: Matt <cnw@HiWAAAY.net>  
Subject: [11241] Re: Young QRPers!  
Message-ID: <32FAD7C5.AB0@HiWAAAY.net>

Brian Mileschosky wrote:

>  
> Hi Matt,  
> Name here is Brian...I'm 17 years old! I see you just subscribed!  
Hey Brian, I talked to you on packet before about QRP. My packet address is AE4JM @ K4BFT.#HSV.AL.USA.NA.  
Welcome  
> to QRP-L! I just ordered my 38 Special and should get it in about a week. I got my 38 Special about a week ago. I got it working last night, but I need to get 2 new pots for it. I need to find some dry letter transfer also for the case.  
> Lot's of nice people here...don't hesitate to use them if you have any  
> questions! We all enjoy helping each other out whenever we can!  
> I hope to work you sometime on 30 meters...say 38 Special to 38 Special??  
> 72,  
> Brian, N5ZGT  
>  
> PS - Any other young QRPers out there? Oops...I forgot...you are all young!

> :) Any other teen QRPers out there?

>

> > My name is Matt. My age is 16 years old. My call is AE4JM. I am  
> >just now getting on the internet and getting an email address. So I  
> >just subscribed to QRP-L last night and this morning I had 31 messages  
> >waiting for me.

>

>

>

|                            |                                             |
|----------------------------|---------------------------------------------|
| -----                      |                                             |
| > Boy Scouts of America    | Amateur Radio - N5ZGT                       |
| > Eagle Scout (12-6-96)    | ARRL QRP: NorCal# 1700 QRP-L# 580           |
| > JASM - Troop 41          | Author of Worldradio's "Youth Forum" Column |
| > Albuquerque, N.M.        | Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM     |
| > O.A. Lodge 66 <-W-W-W-<< | Internet: n5zgt@swcp.com                    |
| -----                      |                                             |

>

>

Well Brian, that sounds great on the 38 Special. What all kits  
have

you built? What all stuff have you homebrewed? Brian, please when you  
send me a message please just send it to me and leave off the  
Cc:qrp-l@Lehigh.EDU for a little while. I am not sure I will get it if  
you don't. I have done the daily digest command and I didn't get all of  
the messages the last time. So Brian, best 72 DE Matt, AE4JM  
cnw@HiWAAY.net  
AE4JM@K4BFT.#HSV.AL.USA.NA